



# SCHOOL OF MEDICINE

## Elective Clerkship Catalog

University of Washington  
Catalog Information for Advising Purposes  
**2014-2015**

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# MISSION STATEMENT

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The University Of Washington School Of Medicine is dedicated to improving the general health and well-being of the public. In pursuit of its goals, the School is committed to excellence in biomedical education, research, and health care. The School is also dedicated to ethical conduct in all its activities. As the pre-eminent academic medical center in our region and as a national leader in biomedical research, we place special emphasis on education and training physicians, scientists, and allied health professionals dedicated to two distinct missions:

- Meeting the health care needs of our region, especially by recognizing the importance of primary care and providing service to underserved populations;
- Advancing knowledge and assuming leadership in the biomedical sciences and in academic medicine.

The School works with public and private agencies to improve health care and advance knowledge in medicine and related fields of inquiry. It acknowledges a special responsibility to the people in the states of Washington, Wyoming, Alaska, Montana, and Idaho, who have joined with it in a unique regional partnership. The School is committed to building and sustaining a diverse academic community of faculty, staff, fellows, residents. And students and to assuring access to education and training is open to learners from all segments of society, acknowledging a particular responsibility to the diverse populations within our region.

The School values diversity and inclusion and is committed to building and sustaining an academic community in which teachers, researchers, and learners achieve the knowledge, skills, and attitudes that value and embrace inclusiveness, equity and awareness as a way to unleash creativity and innovation.

# School Overview

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Established in 1946, the School of Medicine is the only medical school directly serving the states of Washington, Wyoming, Alaska, Montana, and Idaho (WWAMI). Located in the Warren G. Magnuson Health Sciences Center, the School operates a decentralized program of medical education (WWAMI) via a regional network of teaching affiliates.

The School's basic-science departments provide educational opportunities for students from all schools and colleges within the University. Clinical teaching programs are conducted at the University of Washington Medical Center, Harborview Medical Center, Seattle Children's, and the Veterans Affairs Puget Sound Health Care System, as well as at other clinical affiliates in Seattle and throughout the WWAMI states.

The School admits approximately 210 medical students to its first-year class and has a total enrollment of over 900 students pursuing the Doctor of Medicine degree. The full-time faculty numbers approximately 1,700 members. The affiliated University residency-training network enrolls approximately 900 house officers. Enrollment in the graduate programs in the basic sciences exceeds 500 students, and approximately 800 postdoctoral fellows are enrolled in various advanced training programs. The School has baccalaureate and graduate programs in occupational therapy, physical therapy, prosthetics and orthotics, and medical technology. The School participates in training a broad spectrum of other allied health professionals. The School is also home for the Physician Assistant Training Program known as MEDEX.

## The WWAMI Program

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The WWAMI program was initiated in 1971 as an effort to decentralize medical education, provide a broader range of educational opportunities for students, and address the need for primary-care physicians oriented toward rural practice. It is an integral part of the undergraduate medical curriculum and is a fully accredited program of the School of Medicine. The WWAMI program is named for the five states (Washington, Wyoming, Alaska, Montana, and Idaho) that share resources and responsibilities in the regional educational program. Funds appropriated to the WWAMI program by the Wyoming, Alaska, Montana, and Idaho legislatures assure each state of positions for its students in the entering medical class each year.

## First-Year Training

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In the first year of the WWAMI program, approximately 40 percent of the students admitted to the University's School of Medicine receive their first year of medical school training at Washington State University, the University of Wyoming, the University of Alaska, Montana State University, or the University of Idaho. Washington State University positions not filled by volunteers are assigned by lottery. Every Washington-resident applicant should recognize the opportunity of assignment to Washington State University during the first year. Students from Wyoming, Alaska, Montana, and Idaho attend their home-state institutions. While at these institutions, they enroll in prescribed one-year medical school basic-science courses taught by on-site science faculty and are provided supplemental resources from the University of Washington's School of Medicine faculty. These students join their classmates at the UW's campus in Seattle for their second year of medical studies.

## Third- and Fourth-Year Training

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At the conclusion of the second year, students enter the portion of the curriculum that is predominantly clinical. Required, selective, and elective clerkships are described below. As part of clinical training, students complete clerkships at the UW, at its affiliated hospitals, or at community clinical units located in the five-state region. During third- and fourth-year clerkships, School of Medicine full-time and clinical faculty members provide supervised clinical training in required as well as elective clerkships through the WWAMI region.

This is the official version of the general academic rules of the University effective for the 2014-2015 academic year. Please note that individual school, colleges, and departments may have additional rules that apply. In the case of medical school and health science graduate students, these rules may be more restrictive than that of the general University's rules.

### Additional Sources for Information

There are a number of other sources for information and rules that are important for students. They include, but are not limited to, the following:

- Student Handbook
- Financial Aid Home

Also see Departments' material and websites.

## Academic Integrity

At the University, academic integrity is expected of every community member in all endeavors. Academic integrity includes a commitment to the values of honesty, trustworthiness, fairness, and respect. These values are essential to the overall success of an academic society. In addition, each member of the university community has a right to expect the highest standards of academic integrity from all other community members. An individual's academic dishonesty threatens and undermines the central mission of the University. It is unfair to other community members who do not cheat, because it devalues efforts to learn, to teach, and to conduct research. Academic dishonesty interferes with moral and intellectual development and poisons the atmosphere of open and trusting intellectual discourse. The University's academic integrity policy and procedures are administered by the Academic Code of Conduct in the Division of Academic Affairs, and all schools and colleges.

### Expectations

Academic integrity is violated by any dishonest act which is committed in an academic context including, but not limited to the following:

#### Research and Course Work

1. The use or attempted use of unauthorized aids in academic exercises and/or examinations submitted for evaluation;
2. Fabrication, falsification, or misrepresentation of data, results, sources from / for reports; especially in clinical practice, as in reporting experiments, measurements, statistical analyses, test, or other studies never performed; manipulating or altering data or other manifestations of research to achieve a desired result; selective reporting, including the deliberate suppression of conflicting or unwanted data;
3. Actions that destroy or alter the work of another student;
4. Unauthorized cooperation in completing assignments or examinations;

### Communications

1. Violating the confidentiality of an academic integrity investigation, resolution, or documentations;
2. Dishonesty in requests for make-up exams, for extensions of deadlines for submitting materials, or in any other matter relating to a clerkship.

### Representations and Material Misuse

1. Falsification of records, reports, or documents associated with the educational process
2. Misrepresentation of one's own or another's identity for academic purposes;
3. Misrepresentation of material facts or circumstances in relation to examinations, papers, or other academic activities;
4. Sale of papers, essays, or research for fraudulent use;
5. Alternation or falsification of University records;
6. Unauthorized use of University academic faculties or equipment, including computer accounts and patient files;
7. Unauthorized recording, sale, purchase, or use of academic lectures, academic computer software, or other instructional material;
8. Expropriation or abuse of ideas and preliminary data obtain during the process of editorial or peer review of work submitted to journals, or in proposal for funding by agency panels or by internal University committees;
9. Expropriation and / or inappropriate dissemination of personally-identifying human subject data or charts;
10. Unauthorized removal, mutilation, or deliberate concealment of materials in University libraries, media, laboratories, or academic resource centers

### Course & Clerkship-Specific Expectations

- A. The instructor of record is responsible for determining and communicating course-specific academic integrity expectations. Instructors of record are responsible for stating course-specific expectations, esp. those regarding use of sources and collaborations.
- B. Students are responsible for consulting their instructors for any clarification needed on academic integrity standards, including those that are course-specific.
- C. Collusion is assisting or attempting to assist another in an act of academic dishonesty. Collusion is distinct from collaborative learning, which may be a valuable component of scholarly development. Acceptable levels of collaboration vary in different courses, and

students are expected to consult with their instructor if they are uncertain whether their cooperative activities are acceptable.

## Clerkship Site Requirements

### Immunizations and Compliance

The curriculum catalogue and/or department clerkship website should define prerequisite requirements for preceptorship and clerkship in-processing. Generally, the department and the SOM Registrar's Office will take care of facilitating in-processing requirements, but there may be a handful of items the department will ask students to complete 4 to 6 weeks ahead of the clerkship to make sure all onboarding requirements are met. In addition to filling out site and department-specific paperwork, students may be asked to provide a copy of their immunization records (for immunization records contact [myshots@uw.edu](mailto:myshots@uw.edu) or call 206-616-9074). Students may also be asked to provide copies of BLS cards, HIPAA training, universal precautions training, and other compliance training certificates generally found in the E\*Value Immunizations and Compliance.

The School of Medicine is currently working with clinical training sites on new compliance requirements that may include drug testing, fingerprinting, and secondary criminal background checks. Students should check with the clerkship department before completing any of these "new" requirements to ensure that what the site is requiring is appropriate for medical students and that School of Medicine legal agreements are in place.

### Unanticipated Absences

Students missing ANY number of days must speak with the site director as well as the attending or resident in charge prior to the start of the shift. It is **not acceptable** to leave only a phone or email message or to contact only administrative staff. Students should receive confirmation (direct conversation, return email or phone call) from the site director and/or the attending/resident in charge indicating that the team is aware of the student's absence. The specific person and his/her contact information are available on the individual clerkship websites.

Students missing **THREE OR MORE days** must also contact the Clerkship Director who will determine if make-up time is needed for unanticipated absences or if the entire clerkship needs to be rescheduled. Grades may be delayed until the time is made up.

If a clerkship exam must be postponed, the student should contact the Clerkship Director to determine if the exam should be rescheduled as soon as possible or delayed until the next time the exam is given. Progress in other clerkships may be interrupted until the examination is taken depending on the situation surrounding the delay.

## GRADUATION REQUIREMENTS

### Curricular Requirements for the 2012 Entering Class and Subsequent Classes

The awarding of the Doctor of Medicine degree is contingent upon satisfactory completion of all curricular requirements and academic and professional conduct requirements. The curriculum is dynamic and designed to provide students with a strong foundation in the basic sciences and a comprehensive approach to clinical medicine. The curriculum is planned to allow time for the student to pursue additional electives or non-clinical selectives at the University of Washington and WWAMI affiliated institutions in order to broaden their perspective of medicine and the world in which the physician functions. Since the field of medical science is constantly changing, the graduation requirements for the M.D. program set forth at matriculation may undergo modification that will apply to students already enrolled.

The requirements include satisfactory completion of such comprehensive examinations as may be adopted by the Medical School Executive Committee. Currently, the United States Medical Licensing Examination Steps 1 and Step 2, clinical knowledge and clinical skills (formerly, National Boards Parts I and II), serve this function. Passage of the second year and senior OSCE is also required.

A	<u>Basic Sciences Curriculum</u> (Generally defined as 500-level courses)	<b>147 credits</b>
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***Includes:***

1. Required Human Biology (Basic Science) first and second year courses
2. Required Preceptorship

B	<u>Clinical Curriculum</u> (Generally defined as 600-level courses)	<b>148 credits</b>
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1. Required clinical clerkships in the third year:

Family Medicine	6 weeks	12 credits
Internal Medicine	12 weeks	24 credits
Obstetrics/Gynecology	6 weeks	12 credits
Pediatrics	6 weeks	12 credits
Psychiatry	6 weeks	12 credits
Surgery	6 weeks	12 credits

2. Required clinical selectives in third or fourth year:

Emergency Medicine	4 weeks	8 credits
Rehabilitation Medicine/Chronic Care	4 weeks	8 credits
Neurology	4 weeks	8 credits
Surgery	4 weeks	8 credits

- 3.

Other clinical electives	16 weeks	32 credits
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C	<u>Independent Investigative Inquiry</u>	8 credits
D	<u>Non-clinical selectives (500 level medical school courses)</u>	4 credits
E	<u>Capstone – Preparation for Residency</u>	2 credits

<b>Total minimum credits for M.D. degree:</b>	<b>309 credits</b>
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## 2014-2015 CLINICAL SCHEDULE

**NAME**

**STUDENT ID**

**SUMMER QUARTER 2014**

**WINTER QUARTER 2015**

**DATE    2   4   6   12 WEEKS**

**DATE    2   4   6   12 WEEKS**

7-Jul	↑	↑	↑	↑	
18-Jul	↓	↓	↓	↓	
21-Jul	↑	↑	↑	↑	
1-Aug	↓	↓	↓	↓	
4-Aug	↑	↑	↑	↑	
15-Aug	↓	↓	↓	↓	
18-Aug	↑	↑	↑	↑	
29-Aug	↓	↓	↓	↓	
1-Sep	↑	↑	↑	↑	
12-Sep	↓	↓	↓	↓	
15-Sep	↑	↑	↑	↑	
26-Sep	↓	↓	↓	↓	

5-Jan	↑	↑	↑	↑	
16-Jan	↓	↓	↓	↓	
19-Jan	↑	↑	↑	↑	
30-Jan	↓	↓	↓	↓	
2-Feb	↑	↑	↑	↑	
13-Feb	↓	↓	↓	↓	
16-Feb	↑	↑	↑	↑	
27-Feb	↓	↓	↓	↓	
2-Mar	↑	↑	↑	↑	
13-Mar	↓	↓	↓	↓	
16-Mar	↑	↑	↑	↑	
27-Mar	↓	↓	↓	↓	
10-Apr	↓	↓	↓	↓	

Step 2-CK & Step 2-CS must be taken by 9/30/14

**AUTUMN QUARTER 2014**

**SPRING QUARTER 2015**

**DATE    2   4   6   12 WEEKS**

**DATE    2   4   6   12 WEEKS**

29-Sep	↑	↑	↑	↑	
10-Oct	↓	↓	↓	↓	
13-Oct	↑	↑	↑	↑	
24-Oct	↓	↓	↓	↓	
27-Oct	↑	↑	↑	↑	
7-Nov	↓	↓	↓	↓	
10-Nov	↑	↑	↑	↑	
21-Nov	↓	↓	↓	↓	
24-Nov	↑	↑	↑	↑	
5-Dec	↓	↓	↓	↓	
8-Dec	↑	↑	↑	↑	
19-Dec	↓	↓	↓	↓	
22-Dec	↑	↑	↑	↑	
2-Jan	↓	↓	↓	↓	
16-Jan	↓	↓	↓	↓	

30-Mar	↑	↑	↑	↑	
10-Apr	↓	↓	↓	↓	
13-Apr	↑	↑	↑	↑	
24-Apr	↓	↓	↓	↓	
27-Apr	↑	↑	↑	↑	
8-May	↓	↓	↓	↓	
11-May	↑	↑	↑	↑	Capstone - TBD
22-May	↓	↓	↓	↓	Hooding - May 22, 2015
25-May	↑	↑	↑	↑	
5-Jun	↓	↓	↓	↓	
8-Jun	↑	↑	↑	↑	Official UW Graduation - June 12, 2015
19-Jun	↓	↓	↓	↓	
22-Jun	↑	↑	↑	↑	
3-Jul	↓	↓	↓	↓	

Block unavailable to students graduating in 2015

SU 2014 SOM starts on **July 7, 2014**; UW starts on **June 23, 2014**

AU 2013 SOM starts on **September 29, 2014**; UW starts on **September 24, 2014**

WI 2015 SOM starts on **January 5, 2015**; UW starts on **January 5, 2015**

SP 2015 SOM starts on **March 30, 2015**; UW starts on **March 30, 2015**

Hooding: May 22, 2015

4th Year Capstone Course: TBD

Official UW Graduation Date: **June 12, 2015**

UW Commencement Date: **June 13 2015**

# SURGERY SELECTIVES

## Clerkship Title

*\*indicates a part-time clerkship*

Course #	Course Title	# of Weeks	Credits Earned
NEUR S 680	Neurological Surgery Clerkship	4	8, max. 8
OB GYN 681	Gynecological Oncology Subspecialty	4	8
OB GYN 683	Gynecological Oncology Subspecialty – Boise ID	4	8
OB GYN 685	Subspecialty Gynecology – UWMC	4	8
OPHTH 681	Ophthalmology Clerkship - HMC/Eye Institute	2, 4	4, 8 (only four towards surgical selective)
OPHTH 683	Ophthalmology Clerkship – Seattle Children's	2	4
OPHTH 685	Ophthalmology Clerkship – VAPSHCS	2	4
OPHTH 686	Ophthalmology Clerkship – GHC Puget Sound	2	4
OPHTH 688	Ophthalmology Clerkship – Anchorage	4	8
OPHTH 689	Ophthalmology Clerkship – Spokane	2	4
OPHTH 690	Ophthalmology Clerkship – Missoula	2	4
OPHTH 691	Ophthalmology Clerkship – Nampa	2	4
ORTHP 644	General Orthopaedic Clerkship – Jackson	4	8, max. 8
ORTHP 650	General Orthopaedic Clerkship – Billings	4	8, max. 8
ORTHP 655	General Orthopaedic Clerkship – Boise	4	8, max. 8
ORTHP 668	Pediatric Orthopaedic Clerkship – Spokane	4	8, max. 8
ORTHP 669	General Orthopaedic Clerkship – Spokane	4	8, max. 8
ORTHP 675	Preceptorship Orthopaedics	2	4, max. 4
ORTHP 676	Pediatric Orthopaedics – Seattle Children's	4	8, max. 8
ORTHP 677	Musculoskeletal Trauma	4	8, max. 8
ORTHP 678	Musculoskeletal Oncology	4	8, 12
ORTHP 680	General Orthopaedic Clerkship – VAMC*	4	8, max. 8
ORTHP 681	Sports Medicine Orthopaedic Clerkship	4	8
ORTHP 682	Outpatient Orthopaedics	4	8
ORTHP 684	Disorders of the Spine	4	8
ORTHP 685	Adult Reconstruction: Total Joint Service	4	8

## SURGERY SELECTIVES

### Clerkship Title

*\*indicates a part-time clerkship*

ORTHP 687	Shoulder and Elbow	4	8
OTOHN 678	Otolaryngology – Head and Neck Surgery Clerkship – Cheyenne	2, 4	4, 8, max. 24
OTOHN 679	Otolaryngology – Head and Neck Surgery Clerkship – Missoula	2, 4	4, 8, max. 24
OTOHN 680	Otolaryngology – Head and Neck Surgery Clerkship – UWMC*	2, 4	4, 8, max. 24
OTOHN 681	Otolaryngology – Head and Neck Surgery Clerkship – HMC	2, 4	4, 8, max. 24
OTOHN 682	Otolaryngology – Head and Neck Surgery Clerkship – VA	2, 4	4, 8, max. 24
OTOHN 683	Otolaryngology – Head and Neck Surgery Clerkship – Madigan	4	8, max. 8
OTOHN 684	Otolaryngology – Head and Neck Surgery Clerkship – Seattle Children’s	2, 4	4, 8, max. 24
OTOHN 685	Otolaryngology – Head and Neck Surgery Clerkship – Boise	2, 4	4, 8, max. 24
OTOHN 686	Otolaryngology – Head and Neck Surgery Clerkship – Greater Seattle Private Practice	2	4
OTOHN 687	Otolaryngology – Head and Neck Surgery Clerkship – Spokane	2, 4	4, 8, max. 24
OTOHN 688	Anchorage	2, 4	4, 8, max. 24
RADGY 695	Radiology Sub-Specialty Elective	2, 4	4, 8, max 8
SURG 642	Rural Surgery – Pullman WA	4	8
SURG 644	Rural Surgery – Lewiston ID	4	8
SURG 646	Rural Surgery Clerkship – Gillette	4	8
SURG 647	Rural Surgery Clerkship – Powell	4	8
SURG 648	Rural Surgery – Libby	4	8
SURG 649	Rural Surgery – Lewistown, MT	4	8
SURG 650	Rural Surgery – Twin Falls	4	8
SURG 652	Plastic Surgery Clerkship – Spokane	4	8
SURG 653	Pediatric Surgery Clerkship – Spokane	4	8
SURG 654	Cardiothoracic Surgery – Spokane	4	8
SURG 656	Trauma/Acute Care Surgery – Boise	4	8
SURG 657	Vascular Surgery - Spokane	2, 4	4, 8
SURG 658	Ambulatory Surgery Clerkship – Mary Bridge	2	4
SURG 659	Ambulatory Surgery Clerkship – Madigan	2	4
SURG 661	Surgical Intensive Care Unit Sub-Internship – VA	4	8

## SURGERY SELECTIVES

### Clerkship Title

*\*indicates a part-time clerkship*

SURG 662	Community Surgery Clerkship – Longview	4	8
SURG 664	Sub-Internship in General Surgery – VAMC	4	8, max. 16
SURG 681	Peripheral Vascular Disease	2, 4	4, 8, max. 8
SURG 682	Clinical Burn Care	4	8, max. 12
SURG 683	Pediatric Surgery Externship	4	8, 12
SURG 685	Cardiothoracic Surgery Externship	4	8, max. 12
SURG 686	Plastic Surgery Clerkship and Preceptorship	4	8, max. 12
SURG 687	Transplantation Surgery Clerkship	4	8
SURG 688	Sub-Internship in General Surgery	4	8, max. 12
SURG 689	Community Surgery Clerkship – Coeur d’Alène	4	8
SURG 690	Alaska Native Medical Center Surgery Sub-Internship	4	8, 12
SURG 691	Surgical Intensive Care Unit Sub-Internship – HMC	4	8
SURG 692	Ambulatory Surgery Clerkship – Children’s	2	4
SURG 693	Rural Surgery Clerkship – Buffalo	4	8
SURG 694	Rural Surgery Clerkship – Riverton	4	8
SURG 695	Vascular Thoracic Surgery	4	8, 12
SURG 696	Breast Surgery – Spokane	2, 4	4, 8
SURG 699	WWAMI Surgery Special Electives*	4	8, max. 24
UROL 675	Urology Preceptorship	2, 4	4, 8, max. 8
UROL 679	Urology Clerkship – Boise VA	2, 4	4, 8, max. 8
UROL 680	Urology Clerkship	2, 4	max 8
UROL 681	Female Urology	2	4
UROL 682	Urology Clerkship – Spokane	2, 4	4, 8, max. 8
UROL 683	Urology Clerkship – Boise	2, 4	4, 8, max. 8
UROL 684	Urology Clerkship – Billings	2, 4	4, 8, max. 8
UROL 685	Urology Sub-Internship	4	8, max 12
UROL 690	Urology Specialties	2, 4	4, 8, max. 8
*	<i>Indicates a part-time clerkship</i>		

Permission Only Courses 2014-2015		<i>as of 7/31/14</i>	
Department	Courses	Contact for Permissions	Email
Anesthesiology	ANEST 668, 671, 684, 697, 699	Kim Mabee	kmabee@uw.edu
Emergency Medicine	MED EM 680, 681, 682, 697, 699.	Alexis Rush	rusha@uw.edu
Family Medicine	FAMED 670, 672, 674 697, 699 FAMED 680, 681	Stacey Morrison	fmclerk@uw.edu
	FAMED 688 (for initial set-up)	Ivan Henson	ivanodin@uw.edu
Laboratory Medicine	LAB M 685, 699	Tess Aurelius	tesska@uw.edu
Medicine	CONJ 625 & 677 MEDECK 601, 602 , 613, 615, 616, 617, 620, 622, 623, 626, 627, 628, 629, 630, 631, 633, 634, 636, 638, 639, 640, 644, 651, 653 (Alaska Heart Insitute only), 654, 664, 665, 671 (SUM/AUM only), 672, 673, 674, 677,678, 679, 681, 686, 690, 691, 692, 693, 694, 695, 696, 697 <b>**Please Note : 613, 633, 636, 644 not available for 2013-14</b>	Yolonda Virgili	ykv@uw.edu
MEDECK 602	<i>Students are NOT be allowed to drop after EIGHT (8) weeks prior to the start date of the rotation, or have a student willing to take your slot. Students registering for this rotation must be committed to the rotation, do not expect to miss any clinic days.</i>		6 week is customary. 4 week is by permission.
Neurological Surgery	NEUR S 680, 697, 699	Aubriana Ard	aard@uw.edu
Neurology	NEURL 697, 699	Megan Schade Eric Kraus	schadm@uw.edu ekraus@uw.edu
OB GYN	OB GYN 681, 682, 683, 685, 697, 699	Whitney Hiatt	whiatt11@uw.edu
Ophthalmology	OPHTH 683, 688, 689 , 690, 691, 697, 699	<b>Dorrie Quirante (on leave)</b>	<b>dorrieq@uw.edu</b>
		Amy Resling	amyr8@uw.edu
Orthopaedic and Sports Medicine	ORTHP 644, 650, 655, 668, 669, 697, 699	Amanda Schwantz	amands4@uw.edu
Otolaryngology Head & Neck Surgery	OTOHN 678, 679, 685, 686, 687, 688, 697, 699	Jessica Strauss	strauej@uw.edu
Pathology	PATH 676, 680, 697, 699	Juliana Hinch	hinchj2@uw.edu
Pediatrics	PEDS 620, 622, 623, 624, 635, 636, 637, 640, 672, 673, 674, 675, 677, 678, 681, 683, 689, 690, 692, 693, 694, 697, 699	WWAMI Electives - Carla Saldin	Carla.Salldin@seattlechildrens.org
		Seattle Electives - Sara Griffin Fear	Sara.Fear@seattlechildrens.org
Psychiatry & Behavioral Sciences	PBSCI 688, 696, 697, 699	Gayle Schneider	gschneid@uw.edu
Radiology Oncology	R ONC 694, 695 (for MS3s), 697, 699	Erin Van Antwerp	etwerp@uw.edu
Radiology	RADGY 687, 688, 689, 691, 692, 695, 696, 697, 699	Kevin Nguyen	nguyenk6@uw.edu
Rehabilitation Medicine	REHAB 685, 686, 687, 689, 697, 699	Teresa Jewell	tejewell@uw.edu
Surgery	SURG 642, 648, 649, 650, 652, 653, 654, 657, 662, 689, 690, 696, 697, 699	Josh Powell	powellj7@uw.edu
Urology	UROL 680 (VA, SCH), 681, 682, 683, 684 685, 690, 697, 699	Leo Calipusan	leowill@uw.edu

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# POLICIES

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# Professional Behavior and Conduct

The University of Washington School of Medicine is committed to maintaining the highest standards of academic performance, professional behavior, personal integrity, and respect for each other as individuals. These standards apply to all individuals associated with the educational experience.

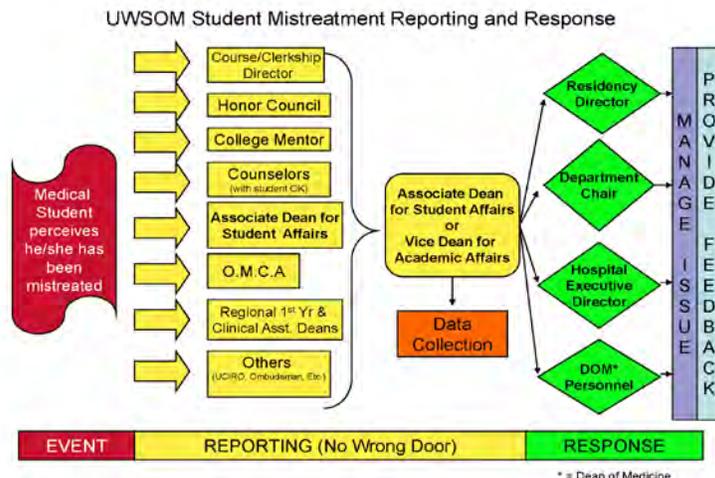
The School's goal is to provide a learning environment that supports self-assessment, inquiry, and life-long learning. Graduates of the School are expected to achieve a level of competence in the prescribed curriculum, to demonstrate appropriate professional behavior in all interactions with faculty, staff, peers, and patients. It is anticipated that these standards of personal conduct and integrity will be upheld not only in the academic setting but also within the community.

It is expected that the teachers and learners will be on their honor to maintain the highest standards of professional behavior in all aspects of training. Both also must be respectful of the special nature of the physician-in-training status in how they conduct themselves in the presence of patients and maintain patient confidentiality. Integrity is considered to be an essential personal quality for successful completion of the M.D. program. Upholding the standards of professional and personal conduct includes both acquiring behavioral patterns and attitudes consistent with the oath taken at the time of graduation and also being accountable for one's own conduct as well as assuming responsibility for the professional behavior of one's colleagues within the medical profession. In this regard, the teachers are expected to provide role modeling that will enhance the learners' ability to incorporate appropriate behaviors into their professional development.

The School of Medicine also believes that the provision of an atmosphere in which individuals can learn from each other in a supportive environment and in which there is recognition of the dignity and worth of each person is essential to its mission. The members of the community come from many different backgrounds and include different races, religions, sexual orientations, ethnic ancestries, and socio-economic status. Learning to understand the differences, as well as the similarities, between people, and how to integrate culturally competent skills in communications at all levels is an important dimension of education. It is hoped that students, faculty and staff would all seek to appreciate the richness and personal growth that this diversity provides to members of the medical school and university community.

Mistreatment of students by their teachers is prohibited. At both the School of Medicine and University levels, individuals have been identified to assist any member of the educational environment to deal with situations, perceived or real, of inappropriate behavior. Such behaviors may fall in the areas of sexual harassment; discrimination or harassment based on race, religion, ethnicity, gender, sexual orientation, or age; humiliation; or the use of grading or other forms of assessment in a punitive way. It is important to address these situations, whether intentional or unintentional, in a timely manner as they tend to result in a disruption of the spirit of learning and a breach in the integrity and trust between teacher and learner. Please see the graphic for reporting mistreatment below.

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## **Clerkship Absentee, Weather and Holiday Policy 4/2013**

The Required Clerkship Curriculum Committee, which is composed of clerkship directors, students, and members of the Dean's Office, developed the following policy related to absences from clinical coursework. These guidelines are also on the Web, will be provided to you as part of the Clerkship Track Scheduling material in the fall of the second year, and are included as part of each clerkship's syllabus.

### **General Absentee Policy**

1. It is in the student's best interest to be present for all days during clerkships. Please try to anticipate personal events and fit them into breaks or elective time off.
2. Time is too short during two-week clerkships to allow any anticipated time off.
3. Absences should not be planned during orientation, final examination, or other required elements of the clerkship.
4. Students needing any time off should consult with the appropriate Clerkship Director at least six weeks prior to the beginning of the clerkship to make sure there are no conflicts with #3 above and to limit the negative impact on the clerkship experience.
5. Students absent without permission may receive a Fail grade and may be required to repeat the clerkship. In addition, students may also receive an Unacceptable professionalism grade.

### **Anticipated Absences**

#### 1. Personal Events

Personal events include weddings, graduations, presenting papers at conferences and receiving awards. If more than two days off are needed during a four to twelve-week clerkship, the clerkship should be rescheduled.

#### 2. Vacations

There are no vacation days during clerkships except for Match Day and possibly holidays, as discussed below. Please schedule vacation days during school breaks or time off.

#### 3. National or Religious Holidays

As a member of a health care team during clerkships, there is no guaranteed time off for University of Washington holidays, traditional observances, or major days of religious significance, just as there won't be when you are a practicing physician. Students are expected to follow the holiday practice of the clinic/hospital/site at which they are rotating. Meaning, if it is a holiday at your site, you may get the day off. If it is a working day for your site, you must show up. Clinical responsibilities such as night call and rounding take precedence over holiday schedules. To plan ahead for national holidays, you may wish to call the practice site in advance and inquire.

The UW SOM clerkship committee encourages faculty and students to work together to accommodate students' scheduling constraints in observing their central religious and cultural practices. Similar to when you are in practice, you must take responsibility and plan ahead. If you have religious holidays that require you to miss or modify work, consult with the clerkship director well in advance to see what accommodations can and can't be made.

#### 4. Residency Interviews

Students should schedule time off for residency interviews. If interviews are offered when students are already scheduled for clerkships in the fourth year, students should work directly with the Clerkship Director right away regarding absences for residency interviews.

## 5. Match Day

All graduating students will be allowed to attend the Match Day celebration with no clerkship responsibility starting at 8AM on Match Day until the next morning (variable start time depending on the clerkship). For students doing WWAMI clerkships, additional travel time the day prior to the celebration may also be needed.

## Unanticipated Absences

### 1. Unanticipated Illness or Personal Emergency

Students missing ANY number of days must speak with the site director as well as the attending or resident in charge prior to the start of the shift. It is not acceptable to leave only a phone or email message or to contact only administrative staff. Students should receive confirmation (direct conversation, return email or phone call) from the site director and/or the attending/resident in charge indicating that the team is aware of the student's absence. The specific person and his/her contact information are available on the individual clerkship websites.

Students missing THREE OR MORE days must also contact the Clerkship Director who will determine if make-up time is needed for unanticipated absences or if the entire clerkship needs to be rescheduled. Grades may be delayed until the time is made up.

If a clerkship exam must be postponed, the student should contact the Clerkship Director to determine if the exam should be rescheduled as soon as possible or delayed until the next time the exam is given. Progress in other clerkships may be interrupted until the examination is taken depending on the situation surrounding the delay.

### 2. Inclement Weather

The inclement weather policy for clerkships matches the policy for holidays. If your team is working in the hospital or the clinic is open, you are expected to show up. If you are unable to access the hospital/clinic due to hazardous travel, you must notify your team as described above.

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Approved by the Elective Clerkship Committee; 04/15/2013  
Approved by the Required Clerkship Committee; 05/13/2013

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# ELECTIVE CATALOG

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# ANESTHESIOLOGY

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Number	Clerkship Title	Location	Credits
ANEST 650	P- Pain Medicine Clerkship	Seattle, WA	8
ANEST 665	P- Basic Anesthesia Clerkship Anchorage	Anchorage, AK	4, max. 8
ANEST 667	P- Basic Anesthesia Clerkship Billings	Billings, MT	4, max. 8
ANEST 668	P- Basic Anesthesia Clerkship Missoula	Missoula, MT	4, max. 8
ANEST 671	P- Basic Anesthesia Clerkship Boise	Boise, ID	4, max. 8
ANEST 677	P- Basic Anesthesia Clerkship Swedish	Seattle, WA	4, max. 8
ANEST 678	P- Basic Anesthesia Clerkship VA	Seattle, WA	4, max. 8
ANEST 679	P- Basic Anesthesia Clerkship HMC	Seattle, WA	4, max. 8
ANEST 680	P- Basic Anesthesia Clerkship UWMC	Seattle, WA	4, max. 8
ANEST 681	P- Advanced Clerkship in Anesthesiology UWMC	Seattle, WA	8, max. 16
ANEST 682	P- Advanced Clerkship in Anesthesiology HMC	Seattle, WA	8, max. 16
ANEST 683	P- Advance Clerkship in Anesthesiology VAMC	Seattle, WA	8, max. 16
ANEST 697	P- Anesthesiology Special Electives	Outside WWAMI	*, max. 24
ANEST 699	P- WWAMI Anesthesiology Special Electives	Inside WWAMI	*, max. 24

# ANESTHESIOLOGY

## Elective Clerkships

Department website: <http://depts.washington.edu/anesth/training/clerkships/index.shtml>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Idaho	WWAMI & Away
ANEST 665	ANEST 667 & 668	ANEST 650, 677, 678, 679, 680, 681, 682, & 683	ANEST 684	ANEST 671	ANEST 697 & 699

### [ANEST 650 P- Pain Medicine Clerkship \(8\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series and MED required clerkship.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation
<b>Clerkship Coordinator:</b>	Kim Mabee, 206-543-2474, kmabee@u.washington.edu
<b>Director:</b>	Chris Kent, 206-598.4253, kent02@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

#### **Goals and Objectives:**

In this clerkship the student will learn the function of the Pain Consultant in this rapidly expanding subspecialty of Anesthesiology, Pain Medicine, through participation as part of a team in evaluation and management of patients experiencing short term post injury (surgery, trauma) pain and/or long-term pain. The four-week rotation is divided equally between inpatient and outpatient experiences. The student will learn the principles of interdisciplinary approach to pain management. The clerkship will be of interest to those considering a career in Anesthesiology as well as those considering Rehabilitation Medicine, Surgery and Primary Care.

At the end of this rotation, the student should be able to:

- Identify appropriate therapies for short-term pain states,
- Identify appropriate pharmacologic approaches to the treatment of pain,
- Describe basic procedures for regional anesthesia for short-term pain states,
- Conduct focused appropriate history and physical examinations of patients with long-term pain syndromes in the outpatient setting,
- Describe basic procedures in outpatient pain block treatment,
- Describe indications and contraindications for use of block therapy in chronic pain states,
- Conduct a psychological evaluation of a patient, when appropriate, either outpatient or inpatient,
- Identify the role of physical or occupational therapy evaluations in the treatment of pain.

#### **Conferences:**

The weekly series “Seminars in Pain Medicine” is presented every Tuesday from 5:00 – 6:00 PM. Please check the Weekly Bulletin for the location: <http://depts.washington.edu/anesth/> A series of daily lectures/discussions occurs 7:00 – 7:45 am every Monday, Tuesday, Thursday, and Friday in AA103A. Anesthesiology Grand Rounds is offered every Wednesday at 6:30 AM in D-209, HSB. Students are expected to attend these presentations.

#### **Readings/texts:**

*Pain Service Syllabus*: This book will be available for check out during your Pain Service rotation. There are chapters of both practical and theoretical nature, including specifics of the organization of the

University of Washington Pain Center. Other reading will be suggested according to the clinical cases available.

**Evaluation:**

Your evaluation will be based on your clinical performance and knowledge of subject matter relevant to pain. Students seeking Honors should submit a paper on a topic relevant to pain medicine. The paper will be reviewed by a panel of 3 faculty anesthesiologists and Honors will be decided by majority vote of this panel.

**ANEST 665 P- Basic Anesthesia Clerkship Anchorage (4, max 8) credits**

**ANEST 667 P- Basic Anesthesia Clerkship Billings (4, max 8) credits**

**ANEST 668 P- Basic Anesthesia Clerkship Missoula (4, max 8) credits**

**ANEST 671 P- Basic Anesthesia Clerkship Boise (4, max 8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- or fourth-year student.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	4 students per rotation
<b>Clerkship Coordinator:</b>	Kim Mabee, 206-543-2474, kmabee@u.washington.edu
<b>Director:</b>	Chris Kent, 206-598.4253, kent02@uw.edu
<b>Clerkship Site(s):</b>	Anchorage, AK: Alaska Native Medical Center Billings, MT: St. Vincent Healthcare Missoula, MT: St. Patrick Hospital / Community Medical Center Boise, ID: St. Alphonsus Regional Medical Center
<b>Housing Available:</b>	Contact the Anesthesiology Department HSB BB 1440, 206-543-2474
<b>Permission Required:</b>	Permission from department required for 668 and 671
<b>Surgical Selective:</b>	No

Introduction to the principles of airway management, ventilatory support, use of local anesthetics, techniques of patient monitoring, and fluid therapy. Skills taught include airway management, venipuncture, lumbar puncture, and endotracheal intubation.

**ANEST 677 P- Basic Anesthesia Clerkship Swedish (4, max 8) credits**

**ANEST 678 P- Basic Anesthesia Clerkship VA (4, max 8) credits**

**ANEST 679 P- Basic Anesthesia Clerkship HMC (4, max 8) credits**

**ANEST 680 P- Basic Anesthesia Clerkship UWMC (4, max 8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	4 students per rotation
<b>Clerkship Coordinator:</b>	Kim Mabee, 206-543-2474, kmabee@u.washington.edu
<b>Director:</b>	Chris Kent, 206-598.4253, kent02@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, VA Medical Center, Swedish Hospital
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

Basic anesthesia clerkship will provide an introduction to the specialty of anesthesiology.

**Goals and Objectives:**

- To provide an overview of anesthetic techniques used to obtain pain relief during surgery and to facilitate performance of surgical operations.

- To teach certain essential psychomotor skills that all physicians may be called upon to perform under controlled and emergent situations.

At the end of this rotation, the student should be able to:

- Describe induction of, and recovery from, general and regional anesthesia,
- Describe monitoring and maintenance of homeostasis during the intraoperative period,
- Perform intravenous cannulation,
- Manage the airway in an unconscious patient,
- Insert a laryngeal mask airway,
- Perform laryngoscopy and orotracheal intubation,
- Perform arterial puncture and sampling,
- Perform cardiopulmonary resuscitation in a simulated environment,
- Describe or perform lumbar puncture.

**Schedule:** See department.

**Conferences:**

Please report to the University of Washington Surgery Pavilion, room SP-1122 at 8:00 AM on the first day of the clerkship to work with the Anesthesia Simulator. This session will last the majority of the day. Attendance is mandatory.

Anesthesiology Grand Rounds are held every Wednesday beginning at 6:30 AM in D-209 of the Health Science Building. Attendance is mandatory.

Problem Based Learning Discussions are held each Thursday of your rotation starting at 4:00 PM and will last approximately 2 hours. The students will be notified of the location, as it varies weekly. Cases will be distributed prior to the start of the clerkship. Attendance is mandatory. Additional mandatory conferences will be held depending on which site students have been assigned to.

**Presentations:**

Oral presentation may be required at certain sites.

**Readings/texts:**

*Essentials of Anesthesiology* by Chung DC and Lam AM.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**[ANEST 681 P- Advanced Clerkship In Anesthesiology UWMC \(8, max 16\) credits](#)**

**[ANEST 682 P- Advanced Clerkship in Anesthesiology HMC \(8, max 16\) credits](#)**

**[ANEST 683 P- Advanced Clerkship in Anesthesiology VAMC \(8, max 16\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	3 students per rotation
<b>Clerkship Coordinator:</b>	Kim Mabee, 206-543-2474, kmabee@u.washington.edu
<b>Director:</b>	Chris Kent, 206-598.4253, kent02@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: VAMC
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

The goal of this clerkship is to provide an in-depth and comprehensive view of the role of physician-anesthesiologist in the preoperative evaluation and preparation of critically ill surgical patients, and in the intraoperative and postoperative management of patients undergoing major surgery, such as cardiac or neurosurgical operations. The clerkship will be of interest to students considering Anesthesiology as a career.

At the end of this rotation, the student should be able to:

- Meet all the objectives outlined for Basic Anesthesia Clerkship,
- Describe different techniques of anesthesia suitable for surgical patients with major systemic illness(es),
- Recognize and gauge the depth of anesthesia and muscle relaxation,
- Recognize and gauge cardiovascular and respiratory depression,
- Recognize and gauge common respiratory and acid-base abnormalities,
- Discuss fluid/transfusion therapy,
- Recognize and gauge recovery from muscle relaxants and anesthesia,
- Discuss clinical manifestations of local anesthetic toxicity,
- Discuss postoperative pain management,
- Discuss common anesthetic complications.

**Schedule:** See department.

**Conferences:**

Please report to the University of Washington Surgery Pavilion, room SP-1122 at 8:00 AM on the first day of the clerkship to work with the Anesthesia Simulator. This session will last the majority of the day. Attendance is mandatory.

Anesthesiology Grand Rounds are held every Wednesday beginning at 6:30 AM in D-209 of the Health Science Building. Attendance is mandatory.

Problem Based Learning Discussions are held each Thursday of your rotation starting at 4:00 PM and will last approximately 2 hours. The students will be notified of the location, as it varies weekly. Cases will be distributed prior to the start of the clerkship. Attendance is mandatory.

Additional mandatory conferences will be held depending on which site students have been assigned to.

**Presentations:**

Oral presentation is mandatory.

**Readings/texts:**

*Essentials of Anesthesiology* by Chung DC and Lam AM.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**ANEST 684 P- Advanced Clerkship In Anesthesiology Spokane (8, max 16) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	1 students per rotation
<b>Clerkship Coordinator:</b>	Kim Mabee, 206-543-2474, kmabee@u.washington.edu
<b>Director:</b>	Chris Kent, 206-598.4253, kent02@uw.edu

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington. Interested students must provide the department with documentation of the away clerkship as well as the supervising/attending physician's contact information. Students must be able to provide the evaluator's complete contact information.

**At least two (2) months prior to the clerkship start date**, students must contact the clerkship coordinator to arrange a meeting with the department's director prior to finalizing the away clerkship rotation. Please note that students are ultimately responsible for the accuracy of the information given for evaluation and final grade submittal. The clerkship coordinator will notify the UWSOM Registrar upon approval of the away clerkship rotation.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**ANEST 699 P- WWAMI Anesthesiology Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Open to fourth-year students. Permission of department <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Kim Mabee, 206-543-2474, kmabee@u.washington.edu
<b>Director:</b>	Director, Chris Kent, 206-598.4253, kent02@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Anesthesiology Department HSB BB 1440, 206-543-2474
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington. Interested students must provide the department with documentation of the away clerkship as well as the supervising/attending physician's contact information. Students must be able to provide the evaluator's complete contact information.

**At least two (2) months prior to the clerkship start date**, students must contact the clerkship coordinator to arrange a meeting with the department's director prior to finalizing the away clerkship rotation. Please note that students are ultimately responsible for the accuracy of the information given for evaluation and final grade submittal. The clerkship coordinator will notify the UWSOM Registrar upon approval of the away clerkship rotation.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# CONJOINT

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Number	Clerkship Title	Location	Credits	Department
CONJ 617	P- Subinternship in Neurocritical Care	Seattle, WA	8	See MEDECK
CONJ 625	Global Health Clinical Elective	International	*, max. 24	See MEDECK
CONJ 677	P- Clinical Allergy and Immunology	Seattle, WA Boise, ID	*, max. 12	See MEDECK
CONJ 680	P- Detox. & Rehab. Programs for Alcoholism & Drug Abuse	Seattle, WA	*, max. 16	See PBSCI

# EMERGENCY MEDICINE

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Number	Clerkship Title	Location	Credits
<b>MED EM 680</b>	<b>P- Emergency Medicine Subinternship Madigan</b>	<b>Tacoma, WA</b>	<b>8</b>
<b>MED EM 681</b>	<b>P- Emergency Medicine Subinternship HMC</b>	<b>Seattle, WA</b>	<b>*, max. 16</b>
<b>MED EM 682</b>	<b>P- Emergency Medicine Subinternship UWMC</b>	<b>Seattle, WA</b>	<b>*, max. 16</b>
<b>MED EM 697</b>	<b>P- Emergency Medicine Special Electives</b>	<b>Outside WWAMI</b>	<b>*, max. 24</b>
<b>MED EM 699</b>	<b>P- WWAMI Emergency Medicine Special Elective</b>	<b>Inside WWAMI</b>	<b>*, max. 24</b>

## EMERGENCY MEDICINE Elective Clerkships

Department website: <http://depts.washington.edu/doemuw/>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
		MED EM 680, 681 & 682			MED EM 697 & 699

**[MED EM 680 P- Emergency Medicine Subinternship Madigan \(8\) credits](#)**  
**[MED EM 681 P- Emergency Medicine Subinternship HMC \( \\*, max 16\) credits](#)**  
**[MED EM 682 P- Emergency Medicine Subinternship UWMC \( \\*, max 16\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Fourth year standing. Third year required clerkships, and required fourth year EM clerkship for UW students only. Permission from department.
<b>Compliance Requirement(s):</b>	Peripheral IV start. <b>*Credentialing paperwork must be submitted 90 days prior to rotation</b>
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Alexis Rush, 206-744-2558, rusha@uw.edu
<b>Director:</b>	Jared Strote, 206-598-0103, strote@uw.edu
<b>Clerkship Site(s):</b>	Tacoma, WA: Madigan Army Medical Center* Seattle, WA: HMC and UWMC
<b>Housing Available:</b>	Contact the Department of Emergency Medicine, HMC, 206-744-2558
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

- Learn a systematic approach to the diagnosis and management of several common ED presentations, including:
  - Abdominal/pelvic pain
  - Chest Pain
  - Shortness of breath
  - Fever/sepsis
  - Acute focal weakness/stroke symptoms
  - Laceration repair
  - Soft tissue infection/abscess drainage
  - Musculoskeletal pain/sprains/fractures
  - Altered mental status/delirium
  - Poisoning (including Etoh, drugs of abuse, overdose)
  - Major trauma
- Learn to develop, and how to prioritize, an appropriate differential diagnosis for the above clinical presentations.
- Perform common ED procedures such as placing peripheral IV's, suturing, and splinting.
- Develop an understanding of the triage process.
- Learn to recognize and stabilize emergently ill and injured patients.
- Understand the role of the pre-hospital provider
- Understand the role of all members of the interdisciplinary emergency department team including RNs, MAs, social workers, PT, radiology personnel, and consultants.
- Understand the role that social situations have on medical illness

### **Evaluation:**

A formal structure for feedback to occur in real-time during the clerkship is in place for the above core objectives. Evaluation will be based on attending observation of student performance in the Emergency

Department, and a final exam. Students will receive the standard Department of Medicine evaluation form currently used for 4th year electives, which includes a narrative description of student performance.

### **MED EM 697 P- Emergency Medicine Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Fourth year medical students. Med required clerkships. Permission from department. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Alexis Rush, 206-744-2558, rusha@uw.edu
<b>Director:</b>	Jared Strote, 206-598-0103, strote@uw.edu
<b>Clerkship Sites:</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Emergency Medicine, HMC, 206-744-2558
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or “away clerkships” may be available at institutions other than the University of Washington. Interested students must contact the department, submit information regarding the away clerkship’s details, and obtain the Director’s approval at least two (2) months prior to advance registration. Department evaluations must be completed by faculty and student prior to receiving a grade.

### **MED EM 699 P- WWAMI Emergency Medicine Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time.
<b>Prerequisite:</b>	Fourth year medical students. Med required clerkships. Permission from department. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Alexis Rush, 206-744-2558, rusha@uw.edu
<b>Director:</b>	Jared Strote, 206-598-0103, strote@uw.edu
<b>Clerkship Sites:</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Emergency Medicine, HMC, 206-744-2558
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or “away clerkships” may be available at institutions other than the University of Washington. Interested students must contact the department, submit information regarding the away clerkship’s details, and obtain the Director’s approval at least two (2) months prior to advance registration. Department evaluations must be completed by faculty and student prior to receiving a grade.

# FAMILY MEDICINE

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Number	Clerkship Title	Location	Credits
FAMED 670	P- Advanced Underserved Clerkship	Varies	*, max. 24
FAMED 672	P- Advanced Preceptorship International	Varies	*, max. 24
FAMED 674	P- Advanced Interviewing in Primary Care	Seattle, WA	8
FAMED 680	P- Traditional Indian Medicine Clerkship in Primary Care Setting	Varies	*, max. 16
FAMED 681	P- Indian Health Care Clerkship	Varies	*, max. 16
FAMED 688	P- Family Medicine Subinternship	Varies	8
FAMED 697	P- Family Medicine Special Electives	Outside WWAMI	*, max. 24
FAMED 699	P- WWAMI Family Medicine Special Electives	Inside WWAMI	*, max. 24

## FAMILY MEDICINE Elective Clerkships

Department Website: <http://depts.washington.edu/fammed/education/courses/clerkship>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
		FAMED 674			FAMED 697 & 699

### FAMED 670 P- Advanced Underserved Clerkship ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time.
<b>Prerequisite:</b>	Department permission required. Third- and fourth-year students.
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Lisa Le, fmclerk@fammed.washington.edu
<b>Director:</b>	Misbah Keen, 206-543-9425, mkeen@uw.edu
<b>Clerkship Site(s):</b>	Varies
<b>Housing Available:</b>	Contact the Department of Family Medicine, HSB E-304, 206-543-9425
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

#### **Goals:**

- Student will learn the family medicine approach to the diagnosis and management of common medical problems presenting to facilities that care for underserved populations.
- Student will understand the role of the family physician in providing care to vulnerable populations.
- Student will understand the health disparities that exist in underserved populations.

#### **Department Objectives:**

- Students will act professionally in the care of patients and families and in their interactions with their health care team and communities,
- Apply the family medicine approach to the diagnosis and management of common health problems in underserved communities,
- Identify the areas of medical need that exist in the clinical setting and larger community,
- Develop care plans that incorporate patients' cultural, familial, environmental, social and economic context,
- Apply the concept of continuity of care in developing patient care plans,
- Apply the principles and practice of disease prevention and health maintenance in patient care,
- Utilize existing community resources in developing patient care plans.

#### **Site Specific Objectives:**

- To be identified by the site and student and submitted to Department of Family Medicine office 8 weeks prior to clerkship start date.

### FAMED 672 P- Advanced Preceptorship International ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time.
<b>Prerequisite:</b>	Third- and fourth-year students. Application required for this course (see below).
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Lisa Le, fmclerk@fammed.washington.edu

<b>Director:</b>	Director, Misbah Keen, 206-543-9425, mkeen@uw.edu
<b>Clerkship Site(s):</b>	Varies
<b>Housing Available:</b>	Contact the Department of Family Medicine, HSB E-304, 206-543-9425
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals:**

- Student will learn the family medicine approach to the diagnosis and management of common medical problems seen in the host country's health care system.
- Student will understand the role of the family/generalist physician in providing care to international patient populations
- Student will understand the benefits to and challenges facing the host country's health care system.

**Objectives:**

- Students will act professionally in the care of patients and their families and in their interactions with their health care team and communities
- By the end of the preceptorship, students will be able to:
  - Apply the family medicine approach to the diagnosis and management of common health problems presenting to the sponsoring practice,
  - Identify specific regional health concerns for patients presenting to the sponsoring practice,
  - Utilize existing health resources in developing patient care plans,
  - Incorporate patients' cultural, familial, environmental, social and economic context into each patient care plan,
  - Reflect on how continuity of care or the lack of it affects patient care plans in the sponsoring practice.

**Site Specific Objectives:**

- To be identified by the site and student and submitted to the Department of Family Medicine office at the time of application for this clerkship.

**Other:**

UW students will need to complete an application from the Department of Global Health and the Department of Family Medicine prior to registering for this course.

**FAMED 674 P- Advanced Interviewing in Primary Care (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full time.
<b>Prerequisite:</b>	Third- and fourth-year students.
<b>Compliance Requirement(s):</b>	Varies, please contact department
<b>Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Lisa Le, fmclerk@fammed.washington.edu
<b>Director:</b>	Director, Misbah Keen, 206-543-9425, mkeen@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Family Medicine, HSB E-304, 206-543-9425
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Student will learn advanced medical interview skills.
- Describe the phases and skills of the medical interview,
- Apply knowledge of medical interview skills to assess the strengths and weaknesses of live or videotaped interviews,
- Demonstrate patient-centered interviewing, interview organization and time management,
- Identify and apply methods of health behavior change in primary care counseling,

- Demonstrate knowledge of selected communication and relationship skills by designing educational videos to teach these skills.

**FAMED 680 P- Traditional Indian Medicine Clerkship in Primary Care Setting ( \*, max 16) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Fourth year standing. UCONJ 530. Fourth year standing. Permission from department
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	NormaAlicia Pino, 206-616-3047, pinon@uw.edu
<b>Director:</b>	Tom Greer, 206-543-0925, tomgreer@uw.edu
<b>Clerkship Site(s):</b>	Varies Puyallup, WA: Puyallup Tribal Heath Authority Browning, MT: Blackfeet Community Hospital
<b>Housing Available:</b>	Contact the Department of Family Medicine, HSB E-304, 206-543-9425
<b>Permission Required:</b>	Yes *Permission must be granted by both the Coordinator & Director
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Through clinical experience, recognize the importance of traditional healers and healing practices used by American Indian/ Alaska Native or other indigenous communities to address common health conditions, and how this might impact your role as a future physician in such communities.
- Students will act professionally in the care of patients and families and in their interactions with their health care team and communities.
- Identify and manage common health conditions among American Indian and/or Alaska Native populations,
- Describe key tenets of the traditional Native perception of health and illness,
- List conditions commonly treated by traditional healers,
- Name components of traditional medicine that are used in the community, including health related practices based in local Native religions,
- Distinguish between the roles of the physician, patient, and family when working with a traditional healer,
- Point out potential Western medical contraindications to the use of traditional medicine, and design strategies to address this with patients,
- Explain and demonstrate a respectful process of contacting and collaborating with traditional healers for patient care,
- Act as a liaison between the patient, healer, and allopathic specialist physicians,
- Compare how traditional healers and physicians fit into the local health care system, including methods of organization, compensation, and specialty focus,
- Modify their medical history skills to obtain a culturally sensitive history of traditional medicine beliefs and use by their patients,
- Justify a treatment plan that may combine Western and traditional medicine components,
- Contrast their own views of healing to that of the local Native community.

**FAMED 681 P- Indian Healthcare Clerkship ( \*, max 16) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Fourth year standing. UCONJ 530. Permission from department.

<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	NormaAlicia Pino, 206-616-3047, pinon@uw.edu
<b>Director:</b>	Tom Greer, 206-543-0925, tomgreer@uw.edu
<b>Clerkship Site(s):</b>	Students will choose from the following sites: Indian clinics, Tribal 638 Health programs, I Public Health Program, Urban Indian Health programs, Tribal Council health activities and Tribal/I alcoholism treatment programs.
<b>Housing Available:</b>	Contact the Department of Family Medicine, HSB E-304, 206-543-9425
<b>Permission Required:</b>	Yes *Permission must be granted by both the Coordinator & Director
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Through clinical experience, recognize the existence and impact of health disparities faced by American Indian/ Alaska Native or other indigenous communities, as well as the cultural and community strengths available to address such disparities.
- Students will act professionally in the care of patients and families and in their interactions with their health care team and communities.
- Identify and manage common health conditions among American Indian and/or Alaska Native populations;
- Relate relevant biological, social, familial, environmental, psychological, and cultural factors to their patient assessments and treatment recommendations;
- Use inter-professional collaborative skills to provide culturally appropriate care with allied health practitioners and community outreach workers;
- Summarize and contrast the unique components of health programs that serve American Indian/ Alaska Native (or other indigenous) populations with that of mainstream U.S. health systems;
- Explain the impact of local and national policies and local community politics and resources on medical care provision.

**FAMED 688 P- Family Medicine Subinternship (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.	
<b>Prerequisite:</b>	Fourth-year medical students. Departmental permission required.	
<b>Compliance Requirement(s):</b>	Variable based on site location, please contact department.	
<b>Enrollment:</b>	Variable	
<b>Clerkship Coordinator:</b>	Ivan Henerson, ivanodin@uw.edu	
<b>Director:</b>	Misbah Keen, 206-543-9425, mkeen@uw.edu	
<b>Clerkship Site(s):</b>	<b>Washington:</b>	Central Washington Family Medicine, Yakima Family Medicine of Southwest Washington, Vancouver Family Medicine Spokane Group Health Cooperative, Seattle Providence St. Peter Hospital, Olympia Puget Sound Family Medicine, Bremerton Swedish Family Medicine First Hill, Seattle Swedish Family Medicine Cherry Hill, Seattle Tacoma Family Medicine, Tacoma University of Washington Medical Center, Seattle
	<b>Wyoming:</b>	UWY Family Practice Residency at Casper
	<b>Alaska</b>	Alaska Family Practice Residency, Anchorage
	<b>Montana:</b>	Montana Family Medicine Residency, Billings

	<b>Idaho:</b>	Family Medicine Residency of Idaho, Boise Idaho State University, Pocatello
<b>Housing Available:</b>	Contact the Department of Family Medicine, HSB E-304, 206-543-9425	
<b>Permission Required:</b>	Yes	
<b>Surgical Selective:</b>	No	

**Goals and Objectives:**

- Students will serve as interns on Family Medicine residency inpatient services under the supervision of family medicine residents and attending physicians.
- Students will learn a family medicine, patient-centered approach to the care of patients in the inpatient setting.
- Students will be able to provide continuity of care to a limited number of patients who they care for in both the hospital (minimum of 70% time) and the ambulatory setting (minimum 20% time).
- Students will act professionally in the care of patients and their families and in interactions with their health care team and communities.
- By the end of the rotation, students will:
  - Perform complete and accurate patient-centered histories and physicals on adult, obstetrical and pediatric patients admitted to the family medicine service and clearly document these histories and physicals in written and verbal form,
  - Implement diagnostic and therapeutic plans taking into account evidence based information and patient preferences,
  - Assume primary responsibility for the ongoing management of patient's admitted to the inpatient service by formulating diagnostic and treatment plans independently and reviewing plans with residents, attending physicians and consultants,
  - Perform procedures as necessary for patient care under the supervision of residents, consultants or attending physicians,
 Collaborate with other health care providers including nurses, therapists and social workers to provide needed services to patients on the inpatient service. Students will perform an initial assessment of patients under consideration for admission to the family medicine service.

**Other:**

Past May 8<sup>th</sup> UW students will need departmental permission prior to registering for this course.

**FAMED 697 P- Family Medicine Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Department permission required. Completion of third year. <b>+ 2 month application process.</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Lisa Le, fmclerk@fammed.washington.edu
<b>Director:</b>	Misbah Keen, 206-543-9425, mkeen@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Family Medicine, HSB E-304, 206-543-9425
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Goals:**

- Student will learn the family medicine approach to the diagnosis and management of common medical problems presenting to clinical settings in the United States.

- Student will understand the role of the family physician in providing care to populations in the United States.
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**Department Objectives:**

- Act professionally in the care of patients and families and in their interactions with their health care team and communities;
- Apply the family medicine approach to the diagnosis and management of common health problems presenting to a practice in the United States;
- Identify specific regional health concerns for patients presenting to the sponsoring practice;
- Apply the concept of continuity of care in developing patient care plans;
- Synthesize care plans that incorporate patient’s cultural, familial, environmental, social and economic context;
- Apply the principles and practice of disease prevention and health maintenance in patient care.

**Site Specific Objectives:**

To be identified by the site and student and submitted to the Department of Family Medicine office 8 weeks prior to clerkship start date.

**FAMED 699 P- WWAMI Family Medicine Special Elective ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 week full-time
<b>Prerequisite:</b>	Departmental permission required. Completion of third year. <b>+ 2 month application process.</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Lisa Le, fmclerk@fammed.washington.edu
<b>Director:</b>	Misbah Keen, 206-543-9425, mkeen@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Family Medicine, HSB E-304, 206-543-9425
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or ‘away clerkships’ may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship’s details, and obtain the Director’s approval at least two (2) months prior to registration.

**Goals and Objectives:**

- Student will learn a family medicine approach to the diagnosis and management of common medical problems presenting in a family practice setting in the WWAMI region.
- Student will increase his/her understanding of the role of the family physician.
- Students will act professionally in the care of patients and families and in their interactions with their health care team and communities.
- Students will identify and have the primary site preceptor agree to at least three objectives for this experience. These objectives are to be submitted and reviewed by the Department of Family Medicine at the time of application for the preceptorship. The primary preceptor must be a family physician.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# LABORATORY MEDICINE

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Number	Clerkship Title	Location	Credits
LAB M 680	P- Clinical Laboratory testing Methods & Interpretations	Seattle, WA	*, max. 30
LAB M 685	P- Laboratory case Studies for Clinical Diagnosis	Seattle, WA	4
LAB M 699	P- WWAMI Laboratory Medicine Special Electives	Inside WWAMI	*, max. 24

## LABORATORY MEDICINE Elective Clerkships

Department website: <http://depts.washington.edu/labweb/>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
		LAB M 680 & 685			LAB M 699

### LAB M 680 P- Clinical Laboratory Testing: Methods & Interpretation (\*, max. 30)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks. 4 credits. Can be taken twice for credit
<b>Prerequisite:</b>	12 weeks of clinical clerkships in the required clerkships of Medicine, Pediatrics, OB/Gyn and Surgery.
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork</b>
<b>Total Enrollment:</b>	6 students per two week rotation – not all sites are available for each rotation
<b>Clerkship Coordinator:</b>	Teresa Aurelius, 206-598-6133, tesska@uw.edu
<b>Director:</b>	Mark Wener, 206-598-6152, wener@uw.edu
<b>Clerkship Site(s):</b>	Clinical Chemistry at the VA Hematopathology at SCCA Hematology/Primary Care/Microbiology at HMC Immunology at UWMC Introduction to Lab Computer at UWMC Microbiology and Bacteriology at HMC Microbiology and Bacteriology at UWMC Pediatric Genetic Testing at Seattle Children's Hospital Pediatric Clinical Chemistry at Seattle Children's Hospital Molecular Virology at 1616 Eastlake Avenue E. Bldg.
<b>Housing Available:</b>	Contact the Department of Laboratory Medicine, HMC, 206-598-6133
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

#### Goals and Objectives:

- Understand how laboratory tests are performed in a clinical laboratory, including methodology, quality control, generation of test results, trouble-shooting
- Understand appropriate clinical use of laboratory tests, including sensitivity, specificity, interferences
- Individualized teaching and studying, allowing students to specify site and topic of emphasis during rotation
- Observe laboratory testing as performed by medical technologists and Laboratory Medicine/Clinical Pathology physicians and other laboratory personnel in clinical laboratory setting
- Observe and participate in consultations and rounds between laboratory personnel and clinical services
- Review details of laboratory methods, indications, and principles for selected laboratory tests
- Use computer-based, self-paced learning modules, where appropriate to laboratory site and specialty
- Individualized and small group discussion with faculty and staff
- Honors paper option: Write short review of a topic related to the emphasized laboratory specialty

#### Schedule:

Monday-Friday, 8:00 am to 6:00 pm. On-site observation, reading, formal and informal conferences.

Variable, depending on site and specialty area of the laboratory.

**Conferences:**

Laboratory Medicine Call Rounds, Wed. 12:00 -1:30 pm, NW150  
Laboratory Medicine Grand Rounds, Wed. 3:30-4:30 pm, D209 (A, W, Sp quarters).  
Laboratory Medicine Research Conference, Wed. 2:30-3:20 pm, NW150 (optional, A, W, Sp quarters)  
Others, depending on site and specialty.

**Presentations:**

Optional 20 minute presentation to laboratory director and/or staff, for Honors grade.

**Readings/texts:**

Reference text (not required): *Clinical Diagnosis and Management by Laboratory Methods*. J.B. Henry editor. W.B. Saunders, Philadelphia, PA. 2001.  
Others, depending on site and specialty of rotation.

**Evaluation:**

By faculty: Student performance is based on attendance and participation during the laboratory rotations. Potential for Honors grade based on written and/or oral presentation by the student.

**LAB M 685 P- Laboratory Case Studies for Clinical Diagnosis (4) credits**

<b>Offered:</b>	SPR only; two-week; full time
<b>Prerequisite:</b>	Completion of required third-year clerkships
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	15 students per session
<b>Clerkship Coordinator:</b>	Teresa Aurelius, 206-598-6133, tesska@uw.edu
<b>Director:</b>	Mark Wener, 206-598-6152, wener@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Laboratory Medicine, HMC, 206-598-6133
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

The competent physician should understand:

- The ways in which laboratory data may be used and misused,
- The interpretation of laboratory data, especially the use of reference ranges,
- The concepts of sensitivity, specificity, and predictive value,
- The limitations of clinical laboratories and laboratory data,
- Federal regulations governing bedside and office testing.

**Schedule:**

See department. Didactic classroom setting, including presentation by students to each other.

**Evaluation:**

Web-based elective clerkships evaluations are required to be completed prior to receiving a grade.

**LAB M 699 P- WWAMI Laboratory Medicine Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 5 / 6 weeks full time.
<b>Prerequisite:</b>	Permission from department; completion of required third-year clerkships. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Teresa Aurelius, 206-598-6133, tesska@uw.edu

<b>Director:</b>	Mark Wener, 206-598-6152, wener@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Laboratory Medicine, HMC, 206-598-6133
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade

# DEPARTMENT OF MEDICINE

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Number	Clerkship Title	Location	Credits
CONJ 617	P- Subinternship in Neurocritical Care	Seattle, WA	8
CONJ 625	Global Health Clinical Elective	International	*, max. 24
CONJ 677	P- Clinical Allergy & Immunology	Seattle, WA Boise, ID	*, max. 12
MEDECK 601	P- Ward Medicine Subinternship Seattle	Seattle, WA	8, max. 24
MEDECK 602	P- Primary Care Seattle	Seattle, WA	8/12
MEDECK 603	P- Cardiology and Electrocardiography Seattle	Seattle, WA	8
MEDECK 604	P- Clinical Dermatology Seattle	Seattle, WA	8
MEDECK 605	P- Clinical Endocrinology and Metabolism Seattle	Seattle, WA	*, max. 12
MEDECK 606	P- Clinical Gastroenterology Seattle	Seattle, WA	8
MEDECK 607	P- Clinical Hematology/Oncology Seattle	Seattle, WA	8
MEDECK 608	P- Clinical Infectious Diseases Seattle	Seattle, WA	8
MEDECK 609	P- Nephrology and Fluid Balance Seattle	Seattle, WA	8
MEDECK 610	P- Clinical Respiratory Disease & Critical Care Seattle	Seattle, WA	8
MEDECK 612	P- Clinical HIV Care Seattle	Seattle, WA	8
MEDECK 614	P- Clinical Oncology Seattle	Seattle, WA	8
MEDECK 615	P- Rheumatology Seattle	Seattle, WA	8
MEDECK 616	P- Advance Clinical Dermatology	Seattle, WA	8
MEDECK 617	P- Harborview Evening Clinic Seattle	Seattle, WA	2
MEDECK 618	P- Medical Consultation Seattle	Seattle, WA	8
MEDECK 619	P- Management of Sexually Transmitted Diseases Seattle	Seattle, WA	2, max. 12
MEDECK 620	P- Critical Care Medicine Subinternship Seattle	Seattle, WA	8
MEDECK 622	P- Clinical Medical Genetics	Seattle, WA	8
MEDECK 623	P- Clinical Wound Management	Seattle, WA	4
MEDECK 626	P- Cardiology and Electrocardiography Tacoma	Tacoma, WA	8
MEDECK 627	P- Clinical Endocrinology and Metabolism Tacoma	Tacoma, WA	*, max. 12
MEDECK 628	P- Clinical Infectious Diseases Tacoma	Tacoma, WA	8
MEDECK 629	P- Clinical Respiratory Disease & Critical Care Tacoma	Tacoma, WA	8
MEDECK 630	P- Ward Medicine Subinternship Tacoma	Tacoma, WA	8, max. 24
MEDECK 631	P- Ward Medicine Subinternship Spokane	Spokane, WA	8, max. 24
MEDECK 633	P- Cardiology and Electrocardiography Spokane	Spokane, WA	8
MEDECK 634	P- Clinical Dermatology Spokane	Spokane, WA	8
MEDECK 636	P- Clinical Gastroenterology Spokane	Spokane, WA	8
MEDECK 638	P- Clinical Infectious Diseases Spokane	Spokane, WA	8
MEDECK 639	P- Nephrology and Fluid Balance Spokane	Spokane, WA	8
MEDECK 640	P- Critical Care Medicine Subinternship Spokane	Spokane, WA	8
MEDECK 644	P- Clinical Dermatology Wyoming	Casper, WY	8
MEDECK 651	P- Ward Medicine Subinternship Alaska	Anchorage, AK	8, max. 24
MEDECK 653	P- Cardiology and Electrocardiography Alaska	Anchorage, AK	8
MEDECK 654	P- Clinical Dermatology Alaska	Anchorage, AK	8

MEDECK 664	P- Clinical Dermatology Montana	Billings, MT	8
MEDECK 669	P- Nephrology and Fluid Balance Montana	Billings, MT	8
MEDECK 670	P- Critical Care Medicine Subinternship - Idaho Falls	Idaho Falls, ID	8
MEDECK 671	P- Ward Medicine Subinternship Boise	Boise, ID	8, max. 24
MEDECK 672	P- Clinical Endocrinology and Metabolism - Idaho Falls	Idaho Falls, ID	*, max. 12
MEDECK 673	P- Cardiology and Electrocardiography Boise	Boise, ID	8
MEDECK 674	P- Clinical Dermatology Boise	Boise, ID	8
MEDECK 677	P- Clinical Hematology/Oncology Boise	Boise, ID	8
MEDECK 678	P- Clinical Infectious Diseases Boise	Boise, ID	8
MEDECK 679	P- Nephrology and Fluid Balance Boise	Boise, ID	8
MEDECK 680	P- Clinical Respiratory Disease & Critical Care Boise	Boise, ID	8
MEDECK 681	P- Clinical Aspects of Aging Boise	Boise, ID	8
MEDECK 686	P- Advanced Clinical Dermatology Boise	Boise, ID	8
MEDECK 690	P- General Internal Medicine Shiprock	Shiprock, NM	8
MEDECK 691	P- Medicine Special Electives Seattle	Seattle, WA	*, max. 24
MEDECK 692	P- Medicine Special Electives Washington	Washington	*, max. 24
MEDECK 693	P- Medicine Special Electives Wyoming	Wyoming	*, max. 24
MEDECK 694	P- Medicine Special Electives Alaska	Alaska	*, max. 24
MEDECK 695	P- Medicine Special Electives Montana	Montana	*, max. 24
MEDECK 696	P- Medicine Special Electives Idaho	Idaho	*, max. 24
MEDECK 697	P- Medicine Special Electives Away	Outside WWAMI	*, max. 24

## DEPARTMENT OF MEDICINE Elective Clerkships

Department website: <http://depts.washington.edu/medweb/>

Courses Offered in:						
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	Idaho	WWAMI & Away
MEDECK 651, 653, & 654	MEDECK 664 & 669	MEDECK 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 612, 614, 615, 616, 617, 618, 619, 620, 622, 623, 626, 627, 628, 629, 630, CONJ 617 & 677	MEDECK 631, 633, 634, 636, 638, 639, & 640	MEDECK 644	MEDECK 670, 671, 672, 673, 674, 677, 678, 679, 680, 681, & 686	MEDECK 690, & 691, 692, 693, 694, 695, 696, & 697 CONJ 625

### Conjoint 617 P- Subinternship in Neurocritical Care Medicine (8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Please contact department for permission.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

As sub-interns on the Neurocritical Care Service, students learn about critical illness, focusing on neurosurgical critical illness. Through direct patient care responsibilities, students gain experience managing traumatic brain injury, acute spinal cord injury, acute cerebral hemorrhage, and other common critical-care issues.

#### Goals and Objectives:

- To learn how to evaluate and manage patients with different forms of acute neurological critical illness including subarachnoid hemorrhage, traumatic brain injury, spinal cord injury, cerebral vasospasm, cerebral hypertension, seizure disorders, tumors, and disorders of sodium regulation
- To learn how to evaluate and manage patients with other common forms of critical illness including respiratory failure, hypertension, hypotension, sepsis, coagulopathy, and renal failure
- To learn how to protect patients from complications associated with stays in the intensive care unit
- To learn about the application of palliative care medicine principles in the intensive care unit setting.
- To learn to work as part of a multidisciplinary care team

## Conjoint 625 Global Health Clinical Elective ( \*, max 24) credits

<b>Offered:</b>	WIN & SPR
<b>Prerequisite:</b>	Fourth year medical students. Permission from department required.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Various Global Clinics
<b>Housing Available:</b>	Contact the department of medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Provides a better understanding of the challenges of providing medical care in international resource-limited settings. Students spend a minimum of 5 weeks at a developing county medical center, with the goal of learning more about the local burden of disease and strategies for diagnosis and treatment.

### **Goals and Objectives:**

At the end of this course students will be able to:

- Discuss the relationship between health and the social determinants of health
- Identify barriers to health and healthcare in low-resource settings.
- Demonstrate knowledge of the major causes of morbidity and mortality in the region in which they are working.
- Demonstrate an understanding of healthcare delivery strategies in low-resource settings.
- Demonstrate an understanding of cultural and ethical issues in working with underserved populations.
- Demonstrate the ability to adapt clinical skills and practice in a resource-constrained environment.
- Demonstrate humility, flexibility, professionalism, and cultural sensitivity when working within a different healthcare context.

## Conjoint 677 P- Clinical Allergy and Immunology ( \*, max 12) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time Seattle. Conjoint between Departments of Medicine and Pediatrics.
<b>Prerequisite:</b>	Med and Peds required clerkship (MEDRCK 601-691, Peds 665 or FAMED basic clerkship). Contact department for permission.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation - Seattle.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Transportation:</b>	Student must provide transportation to multiple clinical faculty sites
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Diagnose the following disease states
  - Asthma,
  - Upper airway disorders – rhinitis, sinusitis, nasal polyps,

- Anaphylaxis/anaphylactoid reactions,
  - Adverse drug reactions,
  - Adverse reactions to food/food additives,
  - Stinging insect reactions,
  - Urticaria/angioedema,
  - Atopic dermatitis,
  - Contact dermatitis,
  - Primary & secondary immunodeficiencies,
  - Other hypersensitivity disorders – allergic bronchopulmonary aspergillosis, hypersensitivity pneumonitis, disorders of occupational exposure, autoimmune disorders, ocular allergic diseases, mastocytosis, and eosinophilic disorders.
- Discuss the disease state, its epidemiology and pathophysiology based on current scientific knowledge of asthma and other allergic diseases,
  - Differentiate other diagnoses,
  - Identify appropriate elements of the history and physical examination and laboratory testing in patient evaluation,
  - Formulate a program of management and revise as patients are seen in continued care,
  - Identify complications either caused by the disease state or its management,
  - Discuss appropriate procedural skills including immediate and delayed hypersensitivity skin testing, allergen immunotherapy, drug desensitization, pulmonary function testing, and intravenous immunoglobulin therapy.

#### **Schedule:**

There is time available for elective assignments in the research laboratories of the Allergy Section or in private offices of the clinical faculty.

#### **Conferences:**

Allergy & Immunology Journal Club, conferences and hospital consultations on clinical immunology and allergy. Students may elect a flexible program emphasizing adult or pediatric allergy in the outpatient clinics (UW, Seattle Children's Hospital, or Madigan Army Medical Center).

#### **Presentations:**

Clinical conference presentations at Allergy and Immunology clinics.

#### **Readings/texts:**

<http://www.jacionline.org/article/PIIS0091674906000248/fulltext>

*Middleton's Allergy: Principles and Practice*, 2003.

#### **Evaluation:**

Evaluation of student performance in the clinical curriculum.

**[MEDECK 601 P- Ward Medicine Subinternship Seattle \(8, max 24\) credits](#)**  
**[MEDECK 630 P- Ward Medicine Subinternship Tacoma \(8, max 24\) credits](#)**  
**[MEDECK 631 P- Ward Medicine Subinternship Spokane \(8, max 24\) credits](#)**  
**[MEDECK 651 P- Ward Medicine Subinternship Alaska \(8, max 24\) credits](#)**  
**[MEDECK 671 P- Ward Medicine Subinternship Boise \(8, max 24\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.	
<b>Prerequisite:</b>	MEDRCK required clerkship (MEDRCK 601-691). Permission from department.	
<b>Compliance Requirement(s):</b>	Spokane, WA: General Orientation, Acceptable Use Agreement, and Health Care Passport. <b>VA: Requires extensive credentialing paperwork.</b> <b>* Credentialing Paperwork must be submitted 90 days prior to rotation</b>	
<b>Total Enrollment:</b>	2 students per rotation - UW	1 student per rotation - Madigan - no summer
	2 students per rotation - HMC	1 student per rotation - Boise
	2 students per rotation - VA	1 - Anchorage (by application through Alaska Native Medical Center)

	1 student per rotation - VA Hospitalist. Occasional possibility of 2 students on VA Hospitalist track. (Please contact Yolonda Virgili, 206-543-3237, ykv@uw.edu)
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UW, HMC and VA Tacoma, WA: Madigan Army Medical Center* Spokane, WA: Sacred Heart Medical Center Anchorage AK – Alaska Native Medical Center Boise, ID: VA Medical Center Boise
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes (MEDECK 671 SUM/AUM only)
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

- Students will be able to serve as interns on the medical wards under the supervision of senior residents and attending physicians.

At the end of the clerkship, the student will be able to:

- Perform an initial history,
- Perform complete and accurate physical examinations,
- Deliver succinct, organized oral presentations,
- Write thorough, complete, organized admission and daily progress notes,
- Formulate diagnostic and treatment plans;
- Interact with ward administrators, nurses, social workers, therapists, and consultants to achieve good patient outcomes;
- Documentation to support degree of care provided including complete HPI, PMH, PS/FH, and ROS.

### **Description of learning activities:**

VA Hospitalist

The Medicine Subintern student on the VA hospitalist service works with a team consisting of one senior resident, 3rd year medical students, one faculty physician, and one medical team assistant (who provides administrative and secretarial help). The subintern works up three to five patients per week and cares for these patients until they are discharged. Additionally, he/she takes overnight call once a week with the night float resident and assists with over cap admissions which are transferred to the hospitalist service the next morning. The subintern will also have the unique opportunity to get exposed to and help with cross-cover of floor and ICU patients. He/she is expected to work two weekends out of four. The senior resident and attending physician teach clinical diagnosis and management at the bedside and review the student's written and oral presentations. Additionally, the subintern is expected to attend daily morning report and regular conferences held at the VAMC. Opportunity to perform technical procedures—including venipuncture, arterial puncture, nasogastric tube placement, and some advanced procedures (such as thoracentesis, paracentesis, central line placements, and lumbar puncture)—is also available to the student.

### **Schedule:**

See department. Overnight hospital call every fourth – fifth night is required on this rotation. VA Hospitalist track student will take overnight call once a week with the night float resident and assist with over cap admissions which are transferred to the hospitalist service the next morning.

**Conferences:**

Attend all regular medicine rounds and conferences as their schedules permit.

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

**MEDECK 602 P-Primary Care Seattle (8/12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Med required clerkship (MEDECK 601-691).
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UW Roosevelt General Internal Medicine Clinic/UWMC Specialty Clinics
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Perform excellent history and physical examinations in the outpatient setting.
- Describe the goals and tools of aggressive control of Type 1 Diabetes Mellitus.
- Demonstrate standard shoulder/knee exams.

**Schedule:**

A full-time ambulatory care block in primary care internal medicine. Attend ½ day clinics in UW-Roosevelt general internal medicine clinic, virology, rheumatology, diabetes and chest clinics. Full-time for six weeks. No call on this rotation. Time off to attend non-Internal Medicine related conferences will not be permitted.

**Conferences:**

Student required to attend Medicine Grand Rounds, Resident Teaching Conference and Primary Care Conference on Thursday mornings.

**Presentations:**

Research an evidence based medicine topic of student's choice.

**Readings/texts:**

*Clerkship Guide to Internal Medicine*; Paauw, Burkholder, Migeon, Mosby, 2003.

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

**[MEDECK 603 P- Cardiology and Electrocardiography Seattle \(8\) credits](#)**  
**[MEDECK 626 P- Cardiology and Electrocardiography Tacoma \(8\) credits](#)**  
**[MEDECK 633 P- Cardiology and Electrocardiography Spokane \(8\) credits](#)**  
**[MEDECK 653 P- Cardiology and Electrocardiography Alaska \(8\) credits](#)**  
**[MEDECK 673 P- Cardiology and Electrocardiography Boise \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.	
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year medical students.	
<b>Compliance Requirement(s):</b>	Spokane, WA: General Orientation, Acceptable Use Agreement, and Health Care Passport. <b>VA: Requires extensive credentialing paperwork.</b> <b>* Credentialing Paperwork must be submitted 90 days prior to rotation</b>	
<b>Total Enrollment:</b>	3 students per rotation - UWMC	1 student per rotation—Madigan (not offered in summer)
	2 students per rotation - HMC	1 student per rotation—Spokane
	2 students per rotation - VA	1 student per rotation—Boise
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu	
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu	
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC and VA Tacoma, WA: Madigan Army Medical Center* Spokane, WA: Sacred Heart Medical Center, Rockwood Clinic Anchorage, AK: Alaska Heart Institute, Alaska Native Medical Center Boise, ID: Idaho Heart Care	
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.	
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227	
<b>Permission Required:</b>	MEDECK 626, 633, 653 (Alaska Heart Institute only), 673 – yes; MEDECK 603 – no.	
<b>Surgical Selective:</b>	No	

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Conduct a focused cardiovascular history,
- Perform a complete cardiovascular examination,
- Determine the relative value of cardiovascular testing (such as stress testing, echocardiography, heart catheterization, and electrophysiology study),
- Read and interpret electrocardiograms
- Discuss the utility and limitations of the surface ECG.

**Description of learning activities:**

Third- and fourth-year students at UWMC work closely with the cardiology fellow and attending with daily teaching rounds as well as didactic teaching sessions. The students see new and follow up consultations and follow their patients throughout their active cardiac issue. A focus is placed on ECG interpretation. There is opportunity to observe cardiac echo, catheterization and coronary intervention and electrophysiology procedures. There is also opportunity to examine patients scheduled for catheterization or echocardiography, thereby increasing their knowledge of cardiovascular examination.

Third- and fourth-year students. At HMC, the clerkship is intended to orient the student to the basics of cardiology. The students see consultations and present the cases to the residents and the attending physician. Rounds are didactic in nature but also cover practical care in cardiology problems. Students attend work rounds in the coronary care unit and participate in attending teaching rounds 3 times weekly with the cardiology house staff team. Students are expected to gain insight into the utility of several noninvasive and invasive diagnostic methods, with opportunities to observe echo and cath lab

procedures. Each student reads a number of electrocardiograms per day with a daily ECG review session. Cardiology teaching conferences are held weekly.

Third- and fourth-year medical students at the Seattle VA see cardiology consults and participate in the evaluation of hospitalized patients with active cardiovascular problems, follow patients on the medical wards and CCU, participate in electrical cardioversions and exercise tolerance tests and read ECG's nightly. Opportunity to review cardiac catheterization data and coronary arteriograms and echocardiograms is also available. Ward and CCU rounds are held daily at the bedside. There are numerous teaching conferences and involvement in both invasive and non-invasive diagnostic procedures.

At Madigan, students assist in primary patient management and participate in daily rounds, teaching conferences, ECG interpretation, and orientation in both invasive and non-invasive diagnostic procedures. Students are expected to be on-call while on this rotation.

Idaho students will work at one of 3 Idaho Cardiology clinic sites in Boise, Meridian or Caldwell doing consults, seeing outpatients and working directly with the attendings. Students read EKG's daily supervise ECG's and become familiar with echocardiograms. Time is spent at the clinic, in the hospital and the cath lab.

**Schedule:**

<b>UWMC</b>	<b>Monday-Friday</b>	8:00 am - 5:00 pm	The daily schedule is determined by the attending faculty cardiologist, but includes rounds with the cardiology fellow, rounds with the cardiology attending, and review of ECGs. Didactic sessions are also provided
<b>HMC</b>	<b>Daily</b>	7:30 am - 5:00 daily	The daily schedule includes rounds with the Cardiology team (residents, fellow and attending) in the coronary care unit, teaching sessions, patient evaluations and consult rounds in the afternoons. No call.
<b>VA</b>	<b>Monday-Friday</b>	8:00 am - 5:00 pm	No call.
<b>Madigan</b>	<b>Daily</b>		The daily schedule consists of pre-rounds on assigned patients followed by team rounds with the cardiology inpatient service from 7:00 - 8:30 am. Students will then participate in or observe a mixture of diagnostic procedures (i.e. GXT, cardiac catheterization, echocardiography). The inpatient service will consist of two residents, two interns, and 1-2 cardiology staff physicians. Students will be responsible for daily notes and discharge summaries on their assigned patients. Didactic teaching sessions will also be provided.

**UWMC:** 8:00 am - 5:00 pm, Monday – Friday. The daily schedule is determined by the attending faculty cardiologist, but includes rounds with the cardiology fellow, rounds with the cardiology attending, and review of ECGs. Didactic sessions are also provided.

**HMC:** 7:30 am -5:00 daily. The daily schedule includes rounds with the Cardiology team (residents, fellow and attending) in the coronary care unit, teaching sessions, patient evaluations and consult rounds in the afternoons. No call.

**VA:** 8:00 am - 5:00 pm, Monday – Friday. No call.

**Madigan:** The daily schedule consists of pre-rounds on assigned patients followed by team rounds with the cardiology inpatient service from 7:00 - 8:30 am. Students will then participate in or observe a mixture of diagnostic procedures (i.e. GXT, cardiac catheterization, echocardiography). The inpatient service will consist of two residents, two interns, and 1-2 cardiology staff physicians. Students will be responsible for daily notes and discharge summaries on their assigned patients. Didactic teaching sessions will also be provided.

**Conferences:**

<b>UWMC:</b>	Wednesday	7:30 - 8:30 am	Cardiology/Cardiothoracic Cath Conference
	Friday	7:30 - 8:30 am	Cardiology Grand Rounds
<b>HMC:</b>	Friday	7:30 - 8:30 am	Cardiology Grand Rounds held at UWMC
	Friday	12:30 - 1:30 pm	Harborview Cardiology Noon Conference

<b>VA:</b>	Tuesday	11:15 am -12:30 pm	Chief of Medicine Rounds
	Friday	11:15 am -12:30 pm	Cardiology Case Conference
<b>Madigan:</b>	Tuesday	12:00 - 1:00 pm	Teaching conference
	Daily	8:00 - 9:00 am	Morning lecture

**Presentations:** None scheduled.

**Readings/texts:**

*Hurst's The Heart*, 11<sup>h</sup> Edition, Fuster et al.

*Heart Disease*, 8<sup>h</sup> Edition, Braunwald et al.

*Manual of Clinical Problems in Cardiology*, Hillis et al.

*ECG Syllabus* by Gary Martin and Eric Feigle (HuBio 540), UW Bookstore.

*The Complete Guide to ECGs: A Comprehensive Guide to Improve ECG Interpretation Skills*, 2<sup>nd</sup> Edition, O'Keefe, Jr., et al.

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

[MEDECK 604 P- Clinical Dermatology Seattle \(8\) credits](#)

[MEDECK 634 P- Clinical Dermatology Spokane \(8\) credits](#)

[MEDECK 644 P- Clinical Dermatology Wyoming \(8\) credits](#)

[MEDECK 654 P- Clinical Dermatology Alaska \(8\) credits](#)

[MEDECK 664 P- Clinical Dermatology Montana \(8\) credits](#)

[MECECK 674 P- Clinical Dermatology Boise \(8\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year medical students
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork.</b> Other locations compliance requirements vary, please contact department.
<b>Total Enrollment:</b>	Seattle – 6 students per rotation. Regional sites – by arrangement with department.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle sites: UWMC, HMC, VA, Seattle Children's Hospital Spokane, WA: Spokane Dermatology Clinic Casper, WY: Casper Dermatology Anchorage, AK: Alaska Center for Dermatology Billings, MT: Billings Clinic Boise, ID: Gem State Dermatology or ADA West Dermatology
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	MEDECK 634, 644, 654, 664, 674 – yes; MEDECK 604 – no.
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Evaluate patients seen in consultation with a member of the Dermatology Inpatient Consulting team.
- Demonstrate basic approach to the diagnosis and management of the most common skin problems.
- Discuss basic principles and practice of oral and topical dermatologic therapy with wet dressings, steroids, emollients and antipruritic therapy.
- Recognize major life-threatening skin diseases and markers of systemic disease.

- Utilize dermatologic vocabulary in order to generate clinical differential diagnoses and accurately describe a rash or a lesion when requesting consultative services.
- Recognize common skin tumors, and understand appropriate diagnostics tests used in dermatology.
- Demonstrate appropriate history-taking and general physical examination with special attention to examination and description of the skin.
- Construct write-ups and oral presentations to be as precise and efficient as possible in communication about patients.
- Perform special diagnostic procedures (KOH, Tzanck test, patch test, skin biopsy) to assist in delineating patients' problems.

**Schedule:**

**Seattle area:** Participation in dermatology clinics and inpatient consultations at UW Medical Center, Harborview Medical Center, Seattle Children's Hospital, and the VA Puget Sound Health Care System-Seattle.

**Away Sites:** Meridian, ID – Busy clinic with two days per week devoted to office surgical procedures, extensive experience with skin cancer surveillance. Schedule is 8 am - 5 pm, no conferences or presentations. City-wide dermatology conference every month which students can attend.

**Conferences:**

In Seattle area, students attend Dermatology Grand Rounds on Wednesday mornings as well as Journal Club and the Medical Student Lecture on Thursday mornings.

**Presentations:**

No presentations are required; however, Journal Club presentation opportunities are available.

**Readings/Texts:**

Suggested: Habif TP: *Clinical Dermatology – A Color Guide to Diagnosis and Therapy*, Fourth Edition, Mosby, 2004. Textbooks available to rent from the Dermatology Division Office BB1353.

**Evaluation:**

University of Washington on-line clerkship evaluations of faculty and program.

**[MEDECK 605 P- Endocrinology and Metabolism Seattle \( \\*, max 12\) credits](#)**

**[MEDECK 627 P- Endocrinology and Metabolism Tacoma \( \\*, max 12\) credits](#)**

**[MEDECK 672 P- Endocrinology and Metabolism Idaho Falls \( \\*, max 12\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691).
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork. * Credentialing Paperwork must be submitted 90 days prior to rotation</b>
<b>Total Enrollment:</b>	1 student per rotation – UWMC and clinical faculty clinics 1 student per rotation – HMC and clinical faculty clinics 1 student per rotation – Madigan, 2 or 4 weeks
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, & VA Tacoma, WA: Madigan Army Medical Center* Idaho Falls, ID: Rocky Mountain Diabetes and Osteoporosis Center
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	MEDECK 627, 672 – yes; MEDECK 605 - no
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Perform and interpret a history and physical exam appropriate to patients with endocrine diagnosis,
- Utilize basic endocrine pathophysiology to interpret and describe disease states,
- Discuss the relationship between endocrine pathophysiology and the practical treatment of patients.

**Description of learning activities:**

This clerkship makes use of a number of teaching sites in Seattle, including the University of Washington Medical Center, Harborview Medical Center, and clinical faculty offices. Students will see inpatient consults with an Endocrine Attending and Fellow, and attend a variety of outpatient clinics. The outpatient experience includes subspecialty clinics in metabolic bone disease, intensive diabetes management, and atherosclerosis prevention. Students will also spend several half days per week in the offices of endocrinologists in private practice.

**Schedule:**

To be provided after enrollment. Note that transportation between teaching sites is required.  
Conferences: Weekly teaching conference, Tuesdays at 4:00 pm (Seattle site).

**Presentations:**

Students will be required to present their patient clinical evaluations to the attending staff both at outpatient clinics and for inpatient consults.

**Readings/texts:**

Each student will select a topic for a reading project in endocrinology. The results of the student's literature review will be discussed at a post-clinic conference at some point during the month.

**Madigan Army Medical Center:**

The Endocrine Clinic sees approximately 700 patients per month in both outpatient clinic and inpatient consultation. One student at a time may participate fully on the outpatient clinic experience. In addition to seven endocrinology clinics a week, students are encouraged to participate in the Department of Medicine morning report, Wednesday afternoon Foot at Risk Clinic and spend one afternoon with the hospital's certified diabetic educator.

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

**MEDECK 606 P- Clinical Gastroenterology Seattle (8) credits****MEDECK 636 P- Clinical Gastroenterology Spokane (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Sacred Heart: General Orientation, Acceptable Use Agreement, and Health Care Passport. <b>VA: Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	6 students per rotation - Seattle. 1 student per rotation by arrangement with department - Spokane
<b>Faculty Contact(s):</b>	Dr. Lee, splee@u.washington.edu Dr. Novan (Spokane), novang@intmedspokane.org
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, VA Spokane, WA: Sacred Heart Medical Center
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations

	at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Permission from department required for MEDECK 636.
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

Students acquire in depth experience in clinical gastroenterology, with close mentoring by members of the Gastroenterology faculty and are exposed to a broad range of state-of-the-art diagnostic and therapeutic endoscopic procedures.

At the end of the clerkship, the student will be able to:

- Evaluate patients seen in consultation with a member of the Gastroenterology Inpatient Consulting team,
- Discuss and identify underlying pathophysiologic mechanisms of GI diseases with GI illness and complaints,
- Discuss the capabilities as well as limitations of endoscopy in clinical practice,
- Discuss appropriate indications and contraindications for endoscopic procedures,
- Discuss key elements for providing excellent consultative service in Inpatient medical care.

**Description:**

Students join and become responsible members of the Gastroenterology Inpatient Consulting team at one of the three teaching hospitals of the University of Washington (UWMC, HMC, VA).

**Schedule:**

Weekdays, work hours to be determined by Attending Physician. No night or weekend responsibilities.

**Conferences:**

Teaching rounds with the Attending and Senior Fellow are held 5 days per week. Assigned cases are presented to the full team, and thereafter followed regularly by the student.

Students are strongly encouraged to attend regularly scheduled GI educational conference (Fridays, 7:30 -10 am).

**Presentations:**

At the discretion of the Attending physician.

**Readings/texts:**

A syllabus containing reading material reprints is available for purchase.

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum

**[MEDECK 607 P- Clinical Hematology/Oncology Seattle \(8\) credits](#)**

**[MEDECK 677 P- Clinical Hematology/Oncology Boise \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Med required clerkship (MEDRCK 601-691).
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, VA Boise, ID: Saint Luke's Regional Medical Center
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations

	at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	MEDECK 677 – yes; MEDECK 607 – no.
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Describe the pathophysiology of anemia, thrombocytopenia, neutropenia, myeloproliferative disorders and coagulation problems;
- Conduct appropriate workup for anemia, thrombocytopenia, neutropenia, myeloproliferative disorders and coagulation problems;
- Outline management and therapy for anemia, thrombocytopenia, neutropenia, myeloproliferative disorders and coagulation problems;
- Outline the work-up and treatment of malignancies,
- Discuss how one weighs risks and benefits in cancer care decisions,
- Evaluate patients with common solid tumors, bleeding, or thrombosis.

### **Description of learning activities:**

The consultative evaluation of general hematology and oncology problems is available at UWMC, Harborview Medical Center, and the Seattle VA Medical Center. The Seattle VA Medical Center rotation can include marrow transplantation experience. The Harborview rotation elective will provide experience with the evaluation and management of common solid tumors, patients with bleeding or thrombosis and HIV-positive patients. The University of Washington Medical Center rotation includes a focus on marrow morphology and students can opt to round with an inpatient cancer medicine team. At all sites there is an active outpatient clinic. The UWMC outpatient clinic is located at the Seattle Cancer Care Alliance building.

At Boise, this fourth-year elective will provide clinic experience regarding the epidemiology, etiology, and staging of common malignancies, cancer treatment modalities, cancer screening, and issues regarding death and dying. In addition to the malignant disorders, there will also be exposure to a variety of hematologic problems including basic coagulation.

### **Schedule:**

This clerkship is taught at University of Washington Medical Center, Harborview Medical Center, and the Seattle VA Medical Center. At each hospital the hematology-oncology elective consists of one month of training during which students work up patients in the inpatient and outpatient services under supervision of a clinical Fellow and the faculty of the Divisions of Hematology and Oncology.

### **Conferences:**

Depends on site. Harborview and University – Post-clinic conference, Thursday, 4:30 - 5:30 pm.  
Hematology/Oncology Fellows Conference and Hematology Grand Rounds, Friday, 7:00 - 9:00 am.  
University – Leukemia and lymphoma conference, 2 Fridays/ m 12:00 – 1:00 pm.

### **Readings/texts:**

Depends on site and specific patient issues encountered. At Harborview and the University, papers relevant to the patients seen on the rotation will be provided.

### **Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

**MEDECK 608 P- Clinical Infectious Diseases Seattle (8) credits**  
**MEDECK 628 P- Clinical Infectious Diseases Tacoma (8) credits**  
**MEDECK 638 P- Clinical Infectious Diseases Spokane (8) credits**  
**MEDECK 678 P- Clinical Infectious Diseases Boise (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.	
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691).	
<b>Compliance Requirement(s):</b>	Spokane: General Orientation, Acceptable Use Agreement, and Health Care Passport. <b>VA: Requires extensive credentialing paperwork.</b> <b>* Credentialing Paperwork must be submitted 90 days prior to rotation</b>	
<b>Total Enrollment:</b>	2 students per rotation - UW	1 student per rotation - FHCRC
	3 students per rotation - HMC	1 student per rotation – Boise VA
	2 students per rotation - VA	
	1 student per rotation - Madigan	
	1 student per rotation - Spokane	
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu	
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu	
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, VA, Fred Hutchinson Cancer Research Center (FHCRC) Tacoma, WA: Madigan Army Medical Center* Spokane, WA: Sacred Heart Medical Center Boise, ID: VA Medical Center	
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.	
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227	
<b>Permission Required:</b>	MEDECK 628, 638, 678 – yes; MEDECK 608 - no.	
<b>Surgical Selective:</b>	No	

**Goals and Objectives:**

- Evaluate patients seen in consultation with a member of the Infectious Diseases Inpatient Consulting team,
- Discuss the use and misuse of antimicrobials, including antivirals and antifungal agents,
- Demonstrate diagnostic approaches used to evaluate and initially manage hospitalized patients with infectious disease,
- Apply mechanisms of antimicrobial resistance in developing treatment plans for patients with resistant organisms and reducing the prevalence of resistant organisms,
- Discuss basics of hospital epidemiology and the control of disease transmission in the hospital.

**Description of learning activities:**

Inpatient consultation services at the four Seattle hospitals (UWMC, HMC, Seattle VA, and FHCRC) are staffed by members of a large faculty and fellowship program. Students see 3 – 5 new patients per week and make daily rounds with an infectious disease fellow and/or medicine resident. Formal attending rounds are held 5 days per week with additional sessions for urgent patient problems and teaching. Medical microbiology conferences are held regularly at all sites, and there is a weekly city-wide clinical conference. Emphasis of the clerkship is on the varied diagnostic and therapeutic challenges prevalent in general hospitals.

The ID rotation at UWMC offers the opportunity to see patients with a wide variety of both common and unusual ID problems. Infections in solid organ transplant patients constitute an important part of the service. Students will work with a team that includes a medical resident, a fellow in ID and an attending physician. Students will play an integral role on the service, evaluating several patients per week and following these patients until discharge. Students may elect to work in an outpatient tropical medicine clinic as part of the elective as well.

The ID rotation at HMC involves inpatient infectious diseases consultations involving a wide variety of infections under the supervision of faculty, ID fellows, and residents. Students will work with critically ill patients in the intensive care units. Arrangements can also be made to involve opportunity to work with faculty and staff in one of our specialty clinics: the STD Clinic, Hansen's Disease Clinic, Hepatitis and Liver Clinic, TB Clinic, ID Clinic, and HIV Clinic. Arrangements to participate at the Hepatitis and Liver clinic would allow students to learn about the evaluation and treatment of chronic hepatitis B and C. Students interested in the ID or HIV Clinic can arrange to shadow one of the core providers in the Madison Clinic to gain experience in the outpatient management of HIV and infectious diseases.

The Seattle Puget Sound Veterans Health Care Center also offers a wide range of ID consultations on the inpatient service. Students will also have the opportunity to work in an ID Outpatient Clinic. As with the other hospitals described above, the main part of the rotation will be based on seeing ID cases in the hospital setting as part of a consultative team.

The Infectious Disease rotation at the FHCRC is dedicated to specialized infectious complications of the stem cell transplant and non-transplant patients with hematologic malignancies. The service receives 2-3 consults per day, mostly in severely immunocompromised hosts, and is divided 70% inpatients and 30% outpatients. Activities include daily teaching rounds and teaching conferences dedicated to care of the patient with cancer. The consult team consists of a faculty attending; an infectious disease fellow; and a full-time physician's assistant. The student will be expected to work up approximately 1 consult daily, follow patients during the course of the rotation, and present daily to the attending staff. The rotation offers good patient material and complicated cases.

The Infectious Disease Service at Madigan Army Medical Center provides an inpatient consultation service and oversees an active outpatient clinic. A medical student rotating on the service will have the opportunity to be involved in both areas by working closely with residents and staff. The goal of the rotation is to provide the student with a firm foundation in basic infectious disease knowledge and practice. Lectures on various topics in infectious diseases are given 3 to 5 times per week. The student will be required to do a short presentation on an infectious disease topic.

The Boise VAMC offers an Infectious Disease elective by special arrangement. Students will learn how to perform and interpret gram stains, use antibiotics appropriately, and will evaluate inpatients and outpatients with a variety of infectious diseases. Students will participate in activities in the Hepatitis C Clinic and HIV Clinic as well. In addition, normal teaching rounds are conducted twice per week and additional times as deemed necessary. With advance notice, may also be able to arrange time with local ID physicians in the community during the rotation

**Schedule:**

8:00 am - 6:00 pm daily, occasional weekend call.

**Conferences:**

Wednesday afternoon City Wide ID Conference, 4:30 pm; other conferences per individual hospitals.

**Presentations:**

Most students are asked to make a formal presentation to their team on a topic related to a patient they have seen.

**Readings/texts:**

*Harrison's Internal Medicine* (ID sections).  
*Principles and Practice of Infectious Diseases*; Gerald L. Mandell, et al.

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

**[MEDECK 609 P- Nephrology and Fluid Balance Seattle \(8\) credits](#)**  
**[MEDECK 639 P- Nephrology and Fluid Balance Spokane \(8\) credits](#)**  
**[MEDECK 669 P- Nephrology and Fluid Balance Montana \(8\) credits](#)**  
**[MEDECK 679 P- Nephrology and Fluid Balance Boise \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year medical students. Permission required to drop with replacement for Spring Quarter.
<b>Compliance Requirement(s):</b>	Spokane: General Orientation, Acceptable Use Agreement, and Health Care Passport. <b>VA: requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	Seattle - 4 students per rotation Regional sites – by arrangement with department
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, and VA Spokane, WA: Sacred Heart Medical Center Billings, MT: Montana Nephrology Associates & St. Vincent Hospital Boise, ID: Idaho Nephrology Associates
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	MEDECK 639, 669, 679 – yes ; MEDECK 609 - no.
<b>Surgical Selective:</b>	No

***Please visit the following link for detailed information about the teaching program at UWMC, HMC and VA:***

**<https://depts.washington.edu/nephron/fellowships/residents/index.html>**

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Calculate and estimate renal function given appropriate data,
- Evaluate patients with hematuria,
- Describe the causes of oliguria/anuria,
- Distinguish the various glomerular lesions,
- Discuss indications for renal biopsy,
- Distinguish pre-renal, renal, and post-renal causes of oliguria,
- Treat patients with salt and water disorders,
- Treat patients with common pH imbalances disorders,
- Evaluate and treat patients with hypertension,
- Discuss the evaluation and treatment of patients with renal stones,
- Discuss the indications for instituting chronic dialysis and the major complications of such treatment,
- Recognize urinary sediments under the microscope and learn about casts, cells and crystals.

**Description of learning activities:**

The nephrology/fluid balance clerkship at University of Washington Medical Center, Harborview Medical Center, and Seattle VA Medical Center is a one-month elective for Third- and fourth-year medical students who will see clinical nephrologic problems under close supervision. They participate in nephrology rounds, see consults with renal fellow and Attending and work up patients in renal clinics.

**Schedule:**

Work Rounds and Attending Rounds will take place daily at each hospital.

Clinics are generally held on Tuesday morning, but specialty clinics (e.g. renal stones, hypertension) may occur at other times as well, depending on the hospital. Check with the attending physician or renal fellow as to these events.

**Conferences:**

Renal Grand Rounds are held at 8:00 – 10:00 am, Friday mornings at Northwest Kidney Centers, 600 Broadway.

**Presentations:**

Students will present new patients at Attending Rounds and be responsible for monitoring the progress of patients they evaluate.

**Reading/Texts:**

Schrier: *Diseases of the Kidney*, 2002.

Henrich: *Dialysis*, 2003.

**[MEDECK 610 P- Clinical Respiratory Disease and Critical Care Seattle \(8\) credits](#)**

**[MEDECK 629 P- Clinical Respiratory Disease and Critical Care Tacoma \(8\) credits](#)**

**[MEDECK 680 P- Clinical Respiratory Disease and Critical Care Boise \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.	
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year medical students.	
<b>Compliance Requirement(s):</b>	<b>VA: requires extensive credentialing paperwork</b> <b>* Credentialing Paperwork must be submitted 90 days prior to rotation</b>	
<b>Total Enrollment:</b>	1 student per rotation -UWMC	1 student per rotation - Boise
	2 students per rotation - HMC	1 student per rotation - Madigan (not offered summer)
	2 students per rotation - VA	
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu	
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu	
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, and VA Tacoma, WA: Madigan Army Medical Center* Boise, ID: VA Medical Center	
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.	
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227	
<b>Permission Required:</b>	MEDECK 629 – yes; MEDECK 610, 680 – no.	
<b>Surgical Selective:</b>	No	

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Take a history, perform a physical examination and initiate a diagnostic work-up on patients with pulmonary problems including asthma, chronic obstructive pulmonary disease, interstitial lung disease, pulmonary hypertension, and a variety of infectious processes,
- State the indications for various diagnostic modalities including pulmonary function testing, arterial blood gases, thoracentesis, CT imaging of the chest, and bronchoscopy,
- Interpret pulmonary function tests including spirometry, lung volumes and diffusing capacity for carbon monoxide,
- Interpret arterial blood gases,
- Interpret plain radiographs of the chest and formulate differential diagnoses for the relevant findings,
- Interpret the results of pleural fluid analysis,

- Explain the basic modes of mechanical ventilation, choose appropriate initial ventilator settings for a patient and make appropriate adjustments in these settings based on changes in the patient's condition,
- Discuss general principles of management of critically ill patients.

**Description of learning activities:**

Training in respiratory disease diagnosis and pulmonary therapy, with special emphasis on cardiopulmonary function testing and interpretation. Inpatient and outpatient teaching rounds, conferences, and basic science integration.

Students are assigned to the consultation service in Pulmonary and Critical Care Medicine at one of three teaching hospitals. They will gain training and experience in respiratory disease diagnosis and management with emphasis on X-ray diagnosis, pulmonary function testing and interpretation, and use of fiberoptic bronchoscopy. Patients are seen by the students under supervision of a Fellow and presented to the Attending. Students will participate in pulmonary function testing and, at some sites, one half-day outpatient clinic. The specific details of the students work on the rotation vary from site to site and are described more fully on the clerkship website: <https://courses.washington.edu/med683/rotations/index.html>

**Schedule:**

Students will participate in all aspects of the Pulmonary Consultation Service. Hours are generally between 8:00 am to 6:00 pm. Students will not take any night call and have all weekends and holidays off.

**Conferences:**

Students from all Seattle hospitals will attend a weekly Chest Grand Rounds, a Respiratory/Critical Care teaching conference, and a series of four student seminars covering basic topics in clinical respiratory medicine that take place on Thursday afternoons following the conferences listed above. Attendance at these sessions is mandatory.

**Presentations:**

Students will present new and follow-up consult and clinic patients to the Attending physician and team. At the Attending's discretion, the student may be asked to prepare brief reports on selected topics to the team.

**Readings/texts:**

A library of useful review articles on a variety of topics in pulmonary medicine is available through the clerkship website: <https://courses.washington.edu/med683/secure/library.html>

At Madigan Army Medical Center, the pulmonary clerkship is a combination inpatient/outpatient experience in association with the Pulmonary Fellowship at Madigan. Students will have an opportunity to attend on the wards, attend the daily morning report, have a morning clinic, and perform afternoon inpatient consults. The clerk will be directly supervised by a staff member and by a pulmonary fellow. Students will be assigned approximately two to four inpatients to follow and one new consult, and two to three follow-up patients per clinic. Students will be performing a consultative service with opportunities to do occasional thoracentesis, exercise studies, and arterial blood gas and pulmonary function interpretation. Teaching is considered one of the highest priorities on this rotation.

At the Boise VA Medical Center, under the supervision of the pulmonary fellow and attending, students consult on the ICU patients as well as the non-ICU inpatients. They also have the opportunity to see new outpatient consults in clinic and to assist with bronchoscopies. Students are given a reading list and pulmonary/critical care topics are discussed with the fellows and attending on a daily basis. Additional emphasis is also placed on CXR and PFT interpretation. Students participate in CXR and critical care conferences, daily ICU rounds, and attend the daily general medicine conferences. The service is most busy during the late fall, winter, and early spring months.

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

## MEDECK 612 P- Clinical HIV Care Seattle (8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### Goals and Objectives:

- The purpose of this elective is to provide students with an intensive one month experience caring for HIV infected patients. Students will become familiar with the outpatient management of HIV infected patients including the administration of anti-retroviral therapy, medications to prevent opportunistic infections and the primary care issues unique to HIV+ patients. Students will learn to manage the acute medical problems of hospitalized HIV patients by working with the infectious diseases service and providing consultations to the primary teams responsible for HIV infected inpatients.
- Discuss key elements of providing primary care to HIV infected patients,
- Describe anti-retroviral therapy and treatments to prevent opportunistic infections,
- Identify and treat the opportunistic infections and cancers suffered by HIV+ patients,
- Recognize and treat the metabolic complications of HIV and HIV therapy (e.g., lipodystrophy, hyperlipidemia, diabetes mellitus),
- Identify and help manage psychosocial problems such as depression, homelessness and substance abuse that many HIV+ patients face;
- Recognize and help manage the acute medical problems of hospitalized HIV+ patients,
- Help coordinate the transition of patients from the inpatient to the outpatient setting.

### Schedule:

Students will split their time between the Madison Clinic (Harborview HIV Clinic) and the inpatient HIV consult service. Students will usually see patients and interact with providers and the attending physician in the Madison Clinic at the beginning (8:30 - 11:00 am) and end (2:30 - 5:00 pm) of each day. Mid-day (11:00 am - 2:30 pm) students will round on HIV+ inpatients and interact with the ID/HIV consult service. Daily schedules vary considerably depending on the activity of the inpatient consult service, the clinic and the particular interests of the student.

Students will have the opportunity to visit a Washington State prison 1-2 days during the month to learn about the care of incarcerated HIV+ patients and their transition back into the community. This activity is coordinated by Dr. Lara Strick who provides care for all HIV+ inmates in the Washington State Department of Corrections. Dr. Strick is a member of the UW clinical faculty and a regular provider at the Madison Clinic.

### Conferences:

Students are invited to attend the HIV noon conference series (presentations given once or twice per month, September through June), the HIV journal club (twice per month, September through June), the city-wide AIDS Clinical Conference (monthly) and the city-wide infectious diseases conference. (Wednesday afternoons).

### Presentations:

No formal presentations are scheduled.

**Readings/texts:**

Students will be provided an HIV manual constructed by the clinic. The manual contains reprints covering anti-retroviral therapy, treatment and prophylaxis of opportunistic infections and standard-of-care guidelines for HIV infected patients.

By the end of the rotation students are encouraged to have completed the online HIV case studies posted on the website: "HIV webstudy" <http://depts.washington.edu/hivaids/>

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

**MEDECK 614 P- Clinical Oncology Seattle (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Discuss the biology of stem cell transplantation,
- Describe the management of complications from stem cell transplant,
- Describe the basic characteristics of high dose pharmacology,
- Discuss the use of tissue typing relevant to stem cell transplantation,
- Describe the family and patient psychosocial dynamics with stem cell transplantation,
- Conduct appropriate history and physical examinations for patients needing these services.

**Description of learning experiences:**

Students are responsible for participating in the workups and daily care of patients receiving marrow transplants, high dose chemotherapy or immunotherapy on and intensive care research ward. Emphasis is on the management and supportive care of patients with pancytopenia and immunosuppression, transplantation biology, cancer chemotherapy and infectious disease problems. Students will function under supervision of a Fellow or Resident.

**Schedule:** Daily

**Conferences:**

Patient Care Conference, Weds 11:00 am, SCCA 3100 or UWMC 8124.

Grand Rounds, Tues., 8:00 am, FHCRC Sze Conference Room, SCCA 3100, UWMC 8124.

**Presentations:**

One lecture on topic of choice by student.

**Readings/texts:**

Thomas ED, et al *Bone Marrow Transplantation*.

**Evaluation:**

School of Medicine Student Performance in the Clinical Curriculum.

## MEDECK 615 P- Rheumatology Seattle (8) credits

<b>Offered:</b>	AUT, WIN, SPR SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year medical students. Permission from the department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

Provides students experience in the diagnosis and management of patients with rheumatic diseases.

At the conclusion of this clerkship, students should be able to:

- Demonstrate musculoskeletal exam skills,
- Differentiate the common forms of arthritis,
- Recognize potential serious rheumatologic illness such as vasculitis or lupus,
- Distinguish inflammatory from mechanical joint pain,
- Discuss the choice and use of rheumatology laboratory tests,
- Demonstrate a structured approach to the diagnosis and treatment of common rheumatologic conditions,
- Describe basic understanding of mechanisms of rheumatologic disease.

### **Schedule:**

Students attend outpatient clinics at the UW (including Bone and Joint Center), Harborview or Seattle VA and will participate in inpatient consultation. Students will meet with Dr. Gardner or designated faculty member before and after the rotation to outline the month and expectations, and offer feedback on the experience and evaluate the faculty and fellows.

### **Conferences:**

Students will participate in Divisional conferences on Tuesday and Friday AM that includes Fellow lectures, Rheumatology Grand rounds, and radiology conference.

### **Readings/texts: *Reading list from Primer of Rheumatic Diseases***

- |         |  |
|---------|--|
| Week 1: | 1. Evaluation of the patient with symptoms of rheumatic disease (Handouts).                |
|         | 2. Arthrocentesis and synovial fluid analysis.   |
|         | 3. Radiology of the rheumatic diseases.  |
| Week 2: | 4. Rheumatoid arthritis.   |
|         | 5. Systemic lupus erythematosus.   |
|         | 6. Spondyloarthropathies (ankylosing spondylitis, psoriatic arthritis, Reiter's syndrome). |
| Week 3: | 7. Crystalline arthritis (gout, pseudogout).   |
|         | 8. Osteoarthritis.   |
|         | 9. Vasculitis.   |
| Week 4: | 10. Fibromyalgia.  |
|         | 11. Osteoporosis.  |
|         | 12. Regional rheumatic pain syndromes.   |

Additional reading based on individual patients encountered. Senior fellows will go through case workbook with the students to reinforce and insure basic issues are covered.

**Paper:**

All students will be expected to do a 3-5-page paper on a topic approved by the rheumatology consult attending. In addition, students will be expected to present a weekly topic during inpatient rounds for 5 minutes that is literature based and pertains to a patient issue approved by the consult fellow.

**Evaluation:**

The grade of Honors will require an honors level paper and presentations and agreement of faculty and fellows . University of Washington Student Performance in the Clinical Curriculum form.

**MEDECK 616 P- Advanced Clinical Dermatology Seattle (8) credits**

**MEDECK 686 P- Advanced Clinical Dermatology Boise (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-69) and MEDECK 604, 634, 664, 654, Or 674. Third- and fourth-year medical students. Basic derm clerkship. Permission from department required.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Seattle - 2 students per rotation. Boise – by arrangement with department.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle DERM Bosie, ID: Idaho Skin Surgery Center
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Demonstrate basic approach to the diagnosis and management of the most common skin problems,
- Discuss basic principles and practice of oral and topical dermatologic therapy with wet dressings, steroids, emollients and antipruritic therapy,
- Recognize major life-threatening skin diseases and markers of systemic disease,
- Utilize dermatologic vocabulary in order to generate clinical differential diagnoses and accurately describe a rash or a lesion when requesting consultative services,
- Recognize common skin tumors and understand appropriate diagnostics tests used in dermatology,
- Demonstrate appropriate history-taking and general physical examination with special attention to examination and description of the skin,
- Construct write-ups and oral presentations to be as precise and efficient as possible in communication about patients,
- Perform special diagnostic procedures (KOH, Tzanck test, patch test, skin biopsy) to assist in delineating patients' problems.

**Schedule:**

***UWMC:*** Students will attend Dermatology clinic, two half-days per week at the UW Medical Center for 3 months.

***UW Affiliated Hospitals:*** Specially arranged schedules may be available at Harborview Medical Center, Seattle Children's Hospital, or the VA Puget Sound Health Care System-Seattle.

***Away Sites:*** Students will attend Dermatology clinic as specified by clinical faculty member.

**Conferences:**

In Seattle area, students have the option to attend Dermatology Grand Rounds on Wednesday mornings, as well as Journal Club and the Medical Student Lecture on Thursday mornings.

**Presentations:**

No presentations are required; however Journal Club presentation opportunities are available.

**Readings/Texts:**

Suggested: Habib TP: *Clinical Dermatology – A Color Guide to Diagnosis and Therapy*, Fourth Edition, Mosby, 2004. Textbooks available to rent from the Dermatology Division Office BB1353.

**Evaluation:**

University of Washington on-line clerkship evaluation of faculty and program.

**MEDECK 617 P- Harborview Evening Clinic Seattle (2) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; part time - one evening per week all year.
<b>Prerequisite:</b>	Permission of department. Fourth-year medical student.
<b>Total Enrollment:</b>	6 students per rotation.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- In this elective, students will act as the primary health providers in the ambulatory care of adult patients in a busy urban clinic.
- Follow patient and modify their treatment plan over time,
- Perform excellent history and physical examinations in the outpatient setting,
- Utilize medical evidence to develop rational diagnostic plans, and initiate appropriate therapies,
- Demonstrate excellent communication skills, particularly with psychosocially needy patients,
- Demonstrate excellent documentation of care and patient tracking,
- Refer patients to appropriate community services,
- Demonstrate excellent communication with other health care providers.

**Schedule:**

The clinic is held on Tuesday evenings in the Adult Medicine Clinic at Harborview Medical Center. Students are strongly encouraged to participate for four quarters beginning in July.

**Conferences:**

Weekly pre-clinic conferences between 5:00 -5:30 pm cover a wide range of primary care topics.

**Presentations:**

Students will be expected to give 2 pre-clinic conferences during the course of the year.

**Readings/texts:**

Syllabus given at orientation.

**Evaluation:**

University of Washington Student Performance in the Clinical Curriculum.

## MEDECK 618 P- Medical Consultation Seattle (8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per 4 week rotation per each site.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Administrative Contact:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC & UWMC
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### Goals and Objectives:

- Describe principles of management of multisystem disease,
- Describe special considerations of peri-operative risk assessment and management,
- Act as a member of a peri-operative consultative internal medicine team,
- Evaluate surgical and psychiatric patients on a consultative basis in the emergency room, as outpatients and as inpatients,
- Provide consultative services that meet the need of both patients and consulting practitioners.

### Schedule:

UWMC: M-F, 8:00am to 5:00pm, Clinic 2-3 half days per week (will evaluate one patient each session) and inpatient follow-ups and discussion the remainder of the time.

HMC: M-F, 8:00 am to 5:00 pm, mixture of mostly inpatient and occasional outpatient experiences daily.

### Conferences:

Hospital conferences as time allows.

### Readings/texts:

Kammerer and Gross *"Medical Consultation"* (copy available to borrow)

"Up-to-Date" sections on peri-operative medicine and medical consultation

### Evaluation:

School of Medicine Evaluation of Student Performance in the Clinical Curriculum Form.

## MEDECK 619 P- Management of Sexually Transmitted Diseases Seattle (2, max 12)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks part-time.
<b>Prerequisite:</b>	Med, Surg, Ob required clerkships (MEDRCK 601-691, Surg 665, and Ob/Gyn). Students must review packet of didactic materials prior to elective.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation. One rotation offered during the months of July, August, September, January, April and, May.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in

	Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Elicit a comprehensive sexual history from men and women, including men who have sex with men,
- Discuss the differential diagnosis, work-up, and treatment of common STD syndromes included urethral discharge, vaginal discharge, and genital ulcer disease,
- Conduct physical examinations needed to evaluate patients for STD,
- Perform basic microscopic tests on patients being evaluated for STD including: Gram stain of urethral and cervical specimens, and wet mounts of vaginal specimens.

**Schedule:**

9:00 am – 12:00 pm.

**Conferences:**

STD Research Conference (optional).

**Presentations:**

None.

**Readings/texts:**

*Sexually Transmitted Diseases*, Editor KK Holmes as needed.

**Evaluation:**

School of Medicine Student Performance in the Clinical Curriculum.

**[MEDECK 620 P- Critical Care Medical Subinternship \(8\) credits](#)**

**[MEDECK 640 P- Critical Care Medicine Subinternship Spokane \(8\) credits](#)**

**[MEDECK 670 P- Critical Care Medicine Subinternship Idaho Falls \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR; 4 weeks full time.
<b>Prerequisite:</b>	Med required clerkship (MEDRCK 601-691). Fourth year students. Permission from department required.
<b>Compliance Requirement(s):</b>	<b>VA: requires extensive credentialing paperwork.</b> Spokane: General Orientation, Acceptable Use Agreement, and Health Care Passport. MEDECK 670 - Please contact department.
<b>Total Enrollment:</b>	One rotation offered during the months, September – May.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC, UWMC, and VA Spokane, WA: Sacred Heart Medical Center Idaho Falls, ID: Eastern Idaho Regional Medical Center
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	MEDECK 620, 640 – yes. MEDECK 670 – no.
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- To learn how to evaluate and manage patients with different forms of critical illness including respiratory failure, hypotension, sepsis, organ failure and gastrointestinal hemorrhage;
- To learn how to initiate and manage invasive and non-invasive modes of mechanical ventilation;
- To learn how to interpret and apply the results of arterial blood gas analysis;
- To learn how to protect patients from complications associated with stays in the intensive care unit;
- To learn about the application of palliative care medicine principles in the intensive care unit setting;
- To learn to work as part of a multidisciplinary care team

At the end of the clerkship, the student will be able to:

- Evaluate and manage patients with various forms of respiratory failure including COPD and asthma exacerbations, pneumonia, acute respiratory distress syndrome and pulmonary edema;
- Evaluate and manage patients with sepsis and severe life-threatening infections;
- Evaluate and manage patients with severe organ failure including renal, hepatic and coagulation failure;
- Evaluate and manage patients with gastrointestinal hemorrhage;
- Evaluate and manage patients with severe hypotension;
- Evaluate and manage patients with severe metabolic and endocrinologic disturbances;
- Initiate appropriate empiric antibiotic coverage for patients with severe infections;
- Initiate and titrate vaso-active medications;
- Initiate and manage both invasive and non-invasive modes of mechanical ventilation;
- Interpret arterial blood gases and apply this information in the care of patients;
- Initiate appropriate measures to prevent complications associated with ICU care;
- Apply the principles of palliative care medicine to patients in the intensive care unit.

#### **Description of learning experiences:**

Fourth year medical students will function at the sub-intern level on the Medical Intensive Care Unit (MICU) service at Harborview Medical Center. During the rotation, they will have direct patient care responsibilities through which they will learn about various forms of critical illness and how to apply different therapeutic and diagnostic modalities commonly used in critical care medicine.

The MICU service at Harborview Medical Center consists of an attending physician, pulmonary and critical care fellow, 4 senior residents and 4 interns. The sub-intern will be paired up with one of the senior residents and will take call with that resident and their corresponding intern on an every 4<sup>th</sup> night basis.

The sub-intern will work an average of less than 80 hours per week during the rotation and will have a total of 4 days off per month. The specific days off will be determined at the start of the rotation. On workdays, the sub-intern will be expected to arrive at a time that will allow them to adequately pre-round on all of their patients before the morning didactic sessions. The workday will conclude when they have completed their work on all of their patients and have signed out with the pulmonary fellow and/or attending physician. Sub-interns may be asked to assist with the care of other patients as part of the team's work covering for residents and interns who have the day off or as part of an effort to get the post-call team out of the hospital but all such requests are at the discretion of the attending or fellow on the service. On call nights, the sub-intern will adhere to the same work-hour requirements as the resident and intern and will not work more than 30 consecutive hours at a time.

#### **Schedule:**

7:30 am – 5:00PM Sign out rounds. Overnight call every fourth night.

#### **Conferences:**

- Case discussion and review: The sub-intern will review all admissions with their senior resident and will review the care of all of their patients with the fellow and attending physician on a daily basis.
- Work rounds: Bedside teaching occurs daily on work rounds with the volume of teaching varying based on the current workload on the service.
- Didactics: Attending rounds take place 3 days per week (Monday, Tuesday, and Thursday) from 8:00 to 8:30AM. Palliative care / Death rounds generally occur on Fridays at 8:00AM. If rounds have finished by 10:00 AM, sub-interns may also attend Morning Report on Mondays, Tuesdays, Wednesdays and Fridays from 10:00 to 11:00AM. Finally, the sub-intern is expected to attend noon conferences that occur on a daily basis

**Presentations:**

Students are expected to write all admission and daily progress on their patients and to communicate with consultants and other providers that are part of the multidisciplinary MICU team

**Readings/texts:**

There is no required reading for the clerkship. Sub-interns are, however, expected to read materials relevant to the care of their patients and other patients on the service as time permits during their rotation. Available sources of reading materials include:

- The MICU team has a small library maintained by the Section of Pulmonary and Critical Care Medicine located in the MICU team room. There is also a hospital library available 24 hours a day. The Division syllabus containing selected articles relevant to the rotation is maintained there.
- Electronic Syllabi: Two electronic syllabi are available for use by the sub-intern. Each syllabus contains a variety of primary research and review articles pertinent to pulmonary and critical care medicine
  - MICU Syllabus: <https://eres.lib.washington.edu/eres/coursepass.aspx?cid=2157>
  - Medicine 683 Pulmonary Clerkship Syllabus: <https://eres.lib.washington.edu/eres/coursepass.aspx?cid=6459&page=docs>
- Students may also access the website that has been created for Medicine 683, the 4<sup>th</sup> year student clerkship in Pulmonary Medicine which contains a large volume of teaching materials relevant to critical care medicine. The URL for this website is: <https://courses.washington.edu/med683/index.html>
- Suggested Textbooks:
  - Principles of Critical Care, 3<sup>rd</sup> Edition: Hall JB, Schmidt GA and Wood LDH eds. New York: McGraw-Hill. 2005. This is a large comprehensive textbook that is good for looking up specific topics. It is too expensive to consider purchasing for this rotation but is available in the MICU team room.
  - The Intensive Care Unit Manual. Lancken PN, Hanson W, Manaker eds. Philadelphia: W.B. Saunders. 2001. This is a much smaller textbook and something that is worth considering for purchase. It is an excellent source of condensed information about a wide range of critical care medicine topics. A copy is also available in the MICU team room.

**Evaluation:**

School of Medicine Student Performance in the Clinical Curriculum.

**MEDECK 622 P- Clinical Medical Genetics (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Medicine required clerkship. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UMCW
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227

<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Students will see outpatients with a Genetics Attending, and sometimes with a resident, and attend a variety of outpatient clinics. The outpatient experience at UWMC includes subspecialty clinics in cancer genetics, connective tissue genetics, neurogenetics, Turner syndrome and dermatologic genetics. The outpatient experience at SCH includes pediatric general genetics clinics with an emphasis on dysmorphology, developmental delay, as well as subspecialty clinics in disorders of sexual differentiation, skeletal dysplasias, craniofacial anomalies, and neurogenetics.

**Goals and Objectives:**

- To introduce the specialty of clinical genetics to the student, and to learn skills needed in diagnosis, management, and understanding of a broad range of genetic disorders.
- Outpatient Clinics
  - To learn to elicit and record a family pedigree and analyze it for possible syndromes and patterns of inheritance.
  - To learn how genetic conditions affect a wide variety of organ systems and manifest in diverse ways.
  - To learn the approach to genetic evaluation of a patient.
  - To gain an understanding of how genetic testing should be ordered and interpreted.
  - To become more sensitive and skilled in interacting with patients and families.

**Presentations:**

Students will be required to present clinical evaluations to the attending staff during the rotation. One 15 minute presentation at the clinic conference (or at a mutually agreed upon alternate time) is required by the end of the rotation.

**Evaluation:**

Students are evaluated by the teaching faculty at the end of the rotation. Medicine Student Programs collates all evaluations to submit to the registrar’s office.

**MEDECK 623 P- Clinical Wound Management (4) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Bellevue Hyperbarics
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Opportunity for professional healthcare/medical student to be exposed to and learn wound care management in clinical setting. Prerequisite: students should be able to diagnose cause of chronic ulcer or wound, outline the approach to the management of diabetic foot ulcer, peripheral artery disease ulcer and VLU, and initiate treatments such as sharp debridement, VAC, dressing, and Unna Boot placement.

## MEDECK 681 P- Clinical Aspects of Aging Boise (8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship. Permission from department
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork.</b>
<b>Total Enrollment:</b>	Varies, please contact department.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Bosie, ID: VA Medical Center Bosie
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Work with elderly patients as subintern with senior care program. Inpatient and ambulatory setting in nursing homes and patients' homes. Interdisciplinary approach.

## MEDECK 690P- General Internal Medicine Shiprock (8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med required clerkship. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Shiprock, NM: Northern Navajo Medical Center
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Clerkship located at the Northern Navajo Medical Center in Shiprock, New Mexico. Students are involved in all aspects of patient care, including home visits, ambulatory care, and hospital stays.

### Goals and Objectives:

At the conclusion of this clerkship students should be able to:

- Perform an initial history.
- Perform appropriate and accurate physical examinations.
- Deliver succinct, organized oral presentations.
- Formulate diagnostic and treatment plans.
- Write admission and progress notes that are appropriate in content and reflect their clinical reasoning.
- Interact well with the care team to achieve good patient outcomes.
- Identify the unique geographical and cultural aspects of the practice site and population, and reflect on how they change the approach to patient care.

**MEDECK 691 P- Medicine Special Electives Seattle ( \*, max 24) credits**  
**MEDECK 692 P- Medicine Special Electives Washington ( \*, max 24) credits**  
**MEDECK 693 P- Medicine Special Electives Wyoming ( \*, max 24) credits**  
**MEDECK 694 P- Medicine Special Electives Alaska ( \*, max 24) credits**  
**MEDECK 695 P- Medicine Special Electives Montana ( \*, max 24) credits**  
**MEDECK 696 P- Medicine Special Electives Idaho ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Med required clerkship (MEDRCK 601-691). <b>+ 2 month application process.</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	10 students per rotation.
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Various sites in Washington, Wyoming, Alaska, Montana, & Idaho.
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or externships may be available at institutions other than the University of Washington located within the WWAMI region. Interested students should submit a "Credit for Clerkship in WWAMI" form (available from the Dean's Office) for departmental approval at least two months before advance registration.

**MEDECK 697 P- Medicine Special Electives Away ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Permission of department. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Yolonda Virgili, 206-543-3237, ykv@uw.edu
<b>Director:</b>	Doug Paauw, 206-543-3604, paauw@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Transportation:</b>	Transportation is not provided and students are expected to commute between all WWAMI and Greater Puget Sound sites, including students in Seattle who are expected to attend weekly didactic sessions and rotations at multiple sites.
<b>Housing Available:</b>	Contact the Department of Medicine, HSB BB527, 206-543-3227
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# NEURO SURGERY

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Number	Clerkship Title	Location	Credits
NEUR S 680	P- Neurological Surgery Clerkship	Seattle, WA	*, max. 8
NEUR S 697	P- Neurological Surgery Special Electives	Outside WWAMI	*, max. 24
NEUR S 699	P- WWAMI Neurological Surgery Special Electives	Inside WWAMI	*, max. 24

## NEUROLOGICAL SURGERY Elective Clerkships

Department website: <http://depts.washington.edu/neurosurg/>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
		NEUR S 680			NEUR S 697 & 699

### NEUR S 680 P- Neurological Surgery Clerkship ( \*, max 8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission from department. HuBio completion; SURG required clerkship.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	4 students maximum per rotation (please see department contact for space availability)
<b>Clerkship Coordinator:</b>	Aubriana Ard, 206-744-9316, aard@uw.edu
<b>Administrative Contact:</b>	Richard Ellenbogen, 206-744-9316, rge@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Neurological Surgery, HMC, 206-744-9316
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

#### **Goals and Objectives:**

- To understand the diagnosis and management of surgical diseases of the nervous system and its coverings,
- To learn how to do a competent examination of the patient with nervous system disease,
- To understand anatomy of the nervous system and how it influences symptoms and signs,
- To learn principles of neurosurgical judgment and patient management.

At the conclusion of this clerkship, students should be able to:

- Discuss the anatomy of the nervous system and how it influences symptoms and signs.
- Perform a competent neurological examination
- Interpret imaging studies and other diagnostic information for patients in this population.
- Outline diagnostic and management plans for surgical diseases of the nervous system including head trauma, spine trauma, cerebrovascular disease, disc disease, CNS tumors, hydrocephalus, and other neurosurgical diagnoses
- Identify and differentiate acute problems in the nervous system needing immediate attention by a neurosurgeon and those that are more chronic in nature.
- Identify the factors that influence neurosurgical decision- making, such as patient age, disease stage, prognosis, patient and family desires.
- Discuss treatment options for common neurosurgical diseases with an understanding of both goals and risks.

#### **Schedule:**

Full-time, 2-week rotation at HMC, 1 week each at UWMC and Seattle Children's Hospital. Participate in on-call rotation with residents.

#### **Conferences:**

Wed. 7:00 – 8:00 am    Neurosurgery Grand Rounds.  
 Wed. 8:00 – 9:00 am    Neuropathology.  
 Wed. 4:30 - 6:00 pm    Neuroradiology.  
 Rounds at hospital where assigned.

**Presentations:**

Optional; required for honors. Must discuss with department chairman, Dr. Richard G. Ellenbogen prior to presentation.

**Readings/Texts:**

Based on clinical activities; texts available at each site.

**Evaluation:**

By faculty and residents with whom student interacts.

**NEUR S 697 P- Neurological Surgery Special Elective ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 6 weeks full-time.
<b>Prerequisite:</b>	Permission of department. Fourth-year medical student. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	4 students per rotation.
<b>Clerkship Coordinator:</b>	Aubriana Ard, 206-744-9316, aard@uw.edu
<b>Director:</b>	Kelly Jain, 206-987-4240, Kelly.jain@seattlechildrens.org Director, Richard Ellenbogen, 206-744-9316, rge@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Neurological Surgery, HMC, 206-744-9316
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**NEUR S 699 P- WWAMI Neurological Surgery Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Fourth-year medical student <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Aubriana Ard, 206-744-9316, aard@uw.edu
<b>Director:</b>	Richard Ellenbogen, 206-744-9316, rge@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Neurological Surgery, HMC, 206-744-9316
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# NEUROLOGY

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Number	Clerkship Title	Location	Credits
NEURL 685	P- Epilepsy and Clinical Electroencephalography	Seattle, WA	*, max. 8
NEURL 686	P- Clinical Neurology	Seattle, WA	8
NEURL 687	P- Advance Clinical Clerkship in Child Neurology	Seattle, WA	*, max. 8
NEURL 697	P- Neurology Special Electives	Outside WWAMI	*, max. 24
NEURL 699	P- WWAMI Neurology Special Electives	Inside WWAMI	*, max. 24

# NEUROLOGY

## Elective Clerkships

Clerkship website: <http://depts.washington.edu/neurolog/education/clerkships>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
		NEURL 685, 686 & 687			NEURL 697 & 699

### [NEURL 685 P- Epilepsy and Clinical Electroencephalography \( \\*, max 8\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Megan Schade, 206-616-7776, schadm@uw.edu
<b>Director:</b>	Eric Kraus, 206-616-6992, kraus@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Housing Available:</b>	Contact the Department of Neurology, HSB RR-648A, 206-616-7776
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

#### Clerkship website:

<http://depts.washington.edu/neurolog/education/clerkships/epilepsy-and-clinical-ee.html>

#### Course description:

Medical students will receive an introduction into epilepsy and the use and interpretation of the electroencephalogram and other clinical studies used to assess it. Each student will be under the direct supervision of several of the faculty epileptologists and clinical neurophysiologists.

Electroencephalography is particularly valuable in confirming the diagnosis of and forming the basis for the classification of the different types of human epilepsy. Expanded use of the EEG includes electrocorticography, where direct recording of the brain's electrical activity is obtained at the time of epilepsy surgery and helps to guide the removal of abnormal brain tissues. EEG linked to video-audio systems is the basis for long-term epilepsy monitoring, where clinical and electrical events during a given seizure are correlated for patient management and care. The results of long-term epilepsy monitoring are frequently utilized to guide epilepsy surgery.

This clerkship is also designed to give experience and training in the evaluation and treatment of epileptic seizures and other spells. Will include working one-on-one with Epilepsy Center faculty in the outpatient setting, managing patients during long video EEG monitoring, and attendance at Epilepsy Center conferences and lectures. Experience in pediatric epilepsy can be arranged as appropriate. Participation in research can also be arranged on an individual basis as a separate experience.

#### Goals and Objectives:

1. Acquire a familiarity with the clinical role of EEG.
  - **Benchmark:** Students will learn the clinical indications for EEGs, and learn how the results are applied in clinical decisions.
  - **Curriculum:** One day will be spent under the supervision of an EEG technologist observing how to apply electrodes and run the recorder. Three afternoons per week will be spent reviewing EEGs with the fellows and attendings. A copy of the EEG chapter

from Baker and Baker Neurology (this is no longer copyrighted) will be provided on the first day.

2. Learn to take care of patients with epilepsy.
  - **Benchmark:** Understand the different causes and treatments for epilepsy. How does epilepsy affect the daily lives of this population?
  - **Curriculum:** One-half day per week will be spent in clinic seeing patients. Most of the experience in clinic will be shadowing attendings. You will join the inpatient team on daily morning rounds. A selection of relevant textbooks will be available for borrowing.
3. Epilepsy conference presentation.
  - **Benchmark:** Each week the epilepsy neurologists and neurosurgeons get together to discuss patients. The student will understand the general reasons to choose medical vs surgical therapy.
  - **Curriculum:** Present one patient at epilepsy conference, and participate in case management discussion. The specific case to be presented will be selected by the inpatient epilepsy attending.
4. Inpatient monitoring.
  - **Benchmark:** Understand the reasons for admitting patients for long-term monitoring.
  - **Curriculum:** Join rounds every morning. Admit and follow at least one patient at a time and write daily progress notes.

### NEURL 686 P- Clinical Neurology (8) credits

Reserved for visiting students only.

### NEURL 687 P- Advanced Clinical Clerkship in Child Neurology ( \*, max 8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds required clerkship (Peds 665P). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	1 student per 4-week rotation.
<b>Faculty Contact(s):</b>	Dr. Sidney Gospe
<b>Clerkship Coordinator:</b>	Megan Schade, 206-616-7776, schadm@uw.edu
<b>Director:</b>	Eric Kraus, 206-616-6992, Kraus@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Neurology, HSB RR-648A, 206-616-7776
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

#### Pediatric Neurology Clerkship:

Advanced course in neurology dealing with neurological disease in children. It will include inpatient and outpatient experience. It is supplemental to the required rotation in adult neurology (NEURL 686P), although this is not a prerequisite. However, for a student who desires additional pediatric experience together with neurology, this course is recommended. Emphasis on improving clinical skills in performing neurological examinations and interpreting findings. Supervision by child neurology residents and attendings.

#### Goals and objectives:

1. Learn the fundamentals of the neurological history and exam for children.
  - a. **Curriculum:** Residents and attendings at Children's hospital will teach the pediatric neurological exam, and the essentials of taking a pediatric neurological (developmental) history. During Thursday didactics at UWMC, a systematic review of the general (adult) neurological exam will occur.

- b. **Benchmark:** The student will perform neurological history and physical exam assessments on hospitalized patients and present them to the chief resident and then to the attending. In addition, by participating in Thursday didactics at UWMC, the student will reinforce his/her skills in performing the general (adult) neurology exam.
2. Learn to take care of children with epilepsy.
  - a. **Curriculum:** About 50% of the hospitalized patients evaluated by the pediatric neurology service are children with epilepsy or acute symptomatic seizures. During the four week rotation, the student will have a broad exposure to various epileptic conditions that affect children. Students will learn the clinical indications for EEGs, and how the results are applied in clinical decisions. A selection of relevant textbooks will be available for borrowing.
  - b. **Benchmark:** Understand the different causes and treatments for epilepsy in childhood. How does epilepsy affect the daily lives of these children and their caregivers?
3. Have clinical exposure to other pediatric neurological diseases.
  - a. **Curriculum:** Students will also have exposure to pediatric patients with altered mental status, neuromuscular disorders, and neurometabolic disorders.
  - b. **Benchmark:** The chief resident and attending will be responsible for assigning patients for the student to follow and evaluate so that a broad exposure to pediatric neurological disorders is obtained.
4. Pediatric Neurology conference presentation.
  - a. **Curriculum:** Each week the pediatric neurology service at Children's Hospital conducts two conferences: a didactic conference (Tuesday noon resident didactic conference) and a case-based conference (Friday AM clinical conference). The student will be expected to attend both conferences each week.
  - b. **Benchmark:** During the third or fourth week of the rotation, after consultation with the clerkship director, the student will be expected to either present a topic at the Tuesday noon conference, or assist with the presentation and discussion of a current case at the Friday clinical conference.

### NEURL 697 P- Neurology Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Open to fourth year Students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable base on site location
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Megan Schade, 206-616-7776, schadm@uw.edu
<b>Administrative Contact:</b>	Eric Kraus, 206-616-6992, Kraus@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Neurology, HSB RR-648A, 206-616-7776
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

#### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

### NEURL 699 P- WWAMI Neurology Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time
<b>Prerequisite:</b>	Permission from department. Open to fourth year students. <b>+ 2 month application process</b>

<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Megan Schade, 206-616-7776, schadm@uw.edu
<b>Director:</b>	Eric Kraus, 206-616-6992, Kraus@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Neurology, HSB RR-648A, 206-616-7776
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# OBSTETRICS AND GYNECOLOGY

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Number	Clerkship Title	Location	Credits
OB GYN 681	P- Gynecological Oncology Subspecialty	Seattle, WA	8
OB GYN 682	P- Antenatal High-Risk Obstetrics	Seattle, WA	8
OB GYN 683	P- Gynecological Oncology Subspecialty	Boise, ID	8
OB GYN 685	P- Subspecialty Gynecology	Seattle, WA	8
OB GYN 697	P- Obstetrics and Gynecology Special Electives	Outside WWAMI	*, max. 24
OB GYN 699	P- WWAMI Obstetrics and Gynecology Special Electives	Inside WWAMI	*, max. 24

## OBSTETRICS AND GYNECOLOGY Elective Clerkships

Department website: <http://depts.washington.edu/obgyn/education/third-year-clerkship.html>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Idaho	WWAMI & Away
		OB GYN 681, 682, 685		OB GYN 683	OB GYN 697 & 699

**[OB GYN 681 P- Gynecological Oncology Subspecialty \(8\) credits](#)**

**[OB GYN 683 P- Gynecological Oncology Subspecialty Boise \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission of department. OB/GYN required clerkship. All core clerkships completed
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	3 students per rotation. Except 2 during SUM A.
<b>Clerkship Coordinator:</b>	Whitney Hiatt, 206-543-3892, whiatt11@u.washington.edu
<b>Director:</b>	Vicki Mendiratta, 206-543-9796, vmendira@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC Boise, ID: St. Luke's Clinic
<b>Housing Available:</b>	Contact the Department of Obstetrics & Gynecology; HSB RR601, 206-543-3892
<b>Permission required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Experience in reproductive tract malignancy, chemotherapy, and radiation therapy. Student follows selected patients through primary surgery, recovery, and initial adjuvant treatment, as well as continuing treatment in both clinic and inpatient settings.

### **Goals and Objectives:**

- 1) The student will understand basic components of the evaluation, counseling, and management of women with gynecologic masses as well as pre-malignant and malignant gynecologic conditions
- 2) Students will acquire basic surgical skills and be exposed to complex surgical procedures for treatment of gynecologic oncology patients.
- 3) The student will describe adjuvant therapies used in the care of women with reproductive malignancies (i.e., chemotherapy and radiation therapy)
- 4) The student demonstrate skills in triage of multiple critical patients simultaneously, multi-tasking, working with multi-disciplinary teams in the care of gynecologic oncology patients.
- 5) The student will appreciate the breadth and depth of the specialty of gynecologic oncology

**Schedule:** Varies by site.

### **Conferences:**

Grand Rounds and resident didactics.

### **Presentations:**

Present at least one topic to residents and attendings during the rotation.

### **Readings/texts:**

Basic OB/GYN texts and readings as assigned.

### **Evaluations:**

Preceptor evaluations of student

Mid-rotation feedbacks

Evaluations of the site, faculty/residents by student are required prior to the student receiving a grade.

### **OB GYN 682 P- Antenatal High-Risk Obstetrics (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission from department. OB/GYN required clerkship. All core clerkships completed
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Whitney Hiatt, 206-543-3892, whiatt11@u.washington.edu
<b>Director:</b>	Vicki Mendiratta, 206-543-9796, vmendira@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Obstetrics & Gynecology; HSB RR601, 206-543-3892
<b>Permission required:</b>	Yes
<b>Surgical Selective:</b>	No

Four weeks will be spent on the high-risk antenatal OB ward and clinic service. Rounds will be with resident and attending staff on high-risk antepartum patients. The student will be involved with initial workups, daily laboratory evaluations and continuing care of these high risk patients (but will not include delivery, in most cases). Call is not required. The majority of the patient care is antenatal, but students have the option of taking call. The student will arrange weekly conferences with the OB attending, and present at least one topic during the rotation.

#### **Goals and Objectives:**

- 1) The student will understand the effect of common medical diseases on the course of pregnancy and the effect of pregnancy on the course of common medical diseases. (ie. Hypertension, diabetes, collagen vascular disease, cardiac disease, asthma, etc)
- 2) The student will identify multiple causes of preterm birth, be able to evaluate patients with threatened preterm labor, and discuss the treatment options, and counseling that is relevant for patients with this condition.
- 3) The student will demonstrate the ability to manage diabetes in pregnancy
- 4) The student will demonstrate skills in triage of multiple critical patients simultaneously, multi-tasking, working with multi-disciplinary teams in antepartum care.
- 5) The student will appreciate the breadth and depth of the specialty of perinatal medicine.

**Schedule:** Varies by site.

#### **Conferences:**

Grand Rounds and resident didactics.

#### **Presentations:**

Present at least one topic to residents and attendings during the rotation.

#### **Readings/texts:**

Basic OB/GYN texts and readings as assigned.

#### **Evaluations:**

Preceptor evaluations of student

Mid-rotation feedback

Evaluations of the site, faculty/residents by student are required prior to the student receiving a grade

## **OB GYN 685 P- Subspecialty Gynecology (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	OB/GYN 665P or equivalent. Third- and fourth-year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 students per rotation.
<b>Clerkship Coordinator:</b>	Whitney Hiatt, 206-543-3892, whiatt11@u.washington.edu
<b>Director:</b>	Vicki Mendiratta, 206-543-9796, vmendira@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Obstetrics & Gynecology; HSB RR601, 206-543-3892
<b>Permission required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Explores specialty areas in gynecology including: urogynecology, family planning, adolescent gynecology, and reproductive endocrinology and infertility. Students see and evaluate patients in both the outpatient and inpatient setting, follow patients to the operating room and fully participate in their hospital care, and consult on inpatients and emergency room visits

### **Goals and Objectives:**

- To gain further knowledge and experience in the specialty or in a subspecialty of OB/GYN,
- To gain a better understanding of the assessment and management of gynecologic conditions,
- To determine if OB/GYN is right for you to pursue as a career.

**Schedule:** Varies by site.

### **Conferences:**

Grand Rounds and resident didactics.

### **Presentations:**

Present at least one topic to residents and attendings during the rotation.

### **Readings/texts:**

Basic OB/GYN texts and readings as assigned.

### **Evaluations:**

Preceptor evaluations of student.

Evaluations of the site, faculty/residents by student are required prior to the student receiving a grade.

## **OB GYN 697 P- Obstetrics and Gynecology Special Electives (\*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission of department. Completion of HuBio series. All core clerkships completed. Open to fourth year students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	6 students. per rotation.
<b>Clerkship Coordinator:</b>	Whitney Hiatt, 206-543-3892, whiatt11@u.washington.edu
<b>Director:</b>	Vicki Mendiratta, 206-543-9796, <a href="mailto:vmendira@uw.edu">vmendira@uw.edu</a>
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Obstetrics & Gynecology; HSB RR601, 206-543-3892
<b>Permission required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**OB GYN 699 P- WWAMI Obstetrics and Gynecology Special Electives ( \*, max 24)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Open to fourth year students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Whitney Hiatt, 206-543-3892, whiatt11@u.washington.edu
<b>Director:</b>	Vicki Mendiratta, 206-543-9796, vmendira@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Obstetrics & Gynecology; HSB RR601, 206-543-3892
<b>Permission required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# OPHTHALMOLOGY

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Number	Clerkship Title	Location	Credits
OPHTH 681	P- Ophthalmology Clerkship HMC/Eye Clinic	Seattle, WA	4/8
OPHTH 683	P- Ophthalmology Clerkship Seattle Children's	Seattle WA	4
OPHTH 685	P- Ophthalmology Clerkship VAPSHCS	Seattle, WA	4
OPHTH 686	P- Ophthalmology Clerkship GHC Puget Sound	Seattle, WA	4
OPHTH 688	P- Ophthalmology Clerkship Anchorage	Anchorage, AK	8
OPHTH 689	P- Ophthalmology Clerkship Spokane	Spokane, WA	4
OPHTH 690	P- Ophthalmology Clerkship Missoula	Missoula, MT	4
OPHTH 691	P- Ophthalmology Clerkship Nampa	Nampa, ID	4
OPHTH 697	P- Ophthalmology Special Electives	Outside WWAMI	*, max. 24
OPHTH 699	P- WWAMI Ophthalmology Special Electives	Inside WWAMI	*, max. 24

# OPHTHALMOLOGY

## Elective Clerkships

Department website: <http://depts.washington.edu/opthweb/clerkship.html>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Idaho	WWAMI & Away
OPHTH 688	OPHTH 690	OPHTH 681, 683, 685, & 686	OPHTH 689	OPHTH 691	OPHTH 697 & 699

### [OPHTH 688 P- Ophthalmology Clerkship Anchorage \(8\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series and MED and SURG required clerkship. Fourth year medical students. Application should be made during third year. Permission of department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Anchorage, Alaska: Alaska Native Medical Center (ANMC)
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Four-week away clerkships at Alaska Native Medical Center in Anchorage, AK. Opportunity to learn and practice common eye examination techniques, including slit-lamp biomicroscopy, tonometry, and funduscopy. Patients seen three days a week; two days spent in the operating room.

### [OPHTH 691 P- Ophthalmology Clerkship Nampa \(4\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Third and fourth year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Nampa, ID: Jensen Eye Associates, PLLC
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

### [OPHTH 690 P- Ophthalmology Clerkship Missoula \(4\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of Human Biology Series. Third- and fourth-year medical students. Permission from the department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Missoula, Montana: Rocky Mountain Eye Center P.C.

<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Students participate in diagnosis and management of commonly seen eye diseases. Subspecialty clinics include cornea, retina, neuro-ophthalmology, glaucoma, contact lenses, and strabismus.

### **OPHTH 681 P- Ophthalmology Clerkship HMC / Eye Clinic (4/8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Completion of Human Biology Series. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Harborview Medical Center (HMC) and Eye Institute
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes (only 4 credits towards surgical selective)

Students gain experience in the diagnosis and treatment of common ocular disorders and basic examination techniques, including tonometry, ophthalmoscopy, and biomicroscopy.

### **OPHTH 683 P- Pediatric Ophthalmology Clerkship Seattle Children's (4) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of Human Biology Series. Fourth-year medical students only. Must have previously completed an ophthalmology clerkship. Need to be registered 4-6 weeks prior to beginning of rotation. Permission from department required.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Students examine and observe treatment of children with ocular diseases and learn to differentiate trivial from potentially blinding disorders. Programmed text in general ophthalmology furnished.

### **OPHTH 685 P- Ophthalmology Clerkship VAPSHCS (4) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of Human Biology Series. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Requires extensive credentialing paperwork.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: VA Medical Center
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

Students participate in diagnosis and treatment of medical and surgical ocular disease, outpatient examinations, and inpatient surgery; as well as neuro-ophthalmologic, retinal, and glaucoma consultations. Basic techniques involved in tonometry, ophthalmoscopy, and biomicroscopy of eye.

### **OPHTH 686 P- Ophthalmology Clerkship GHC Puget Sound (4) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of Human Biology Series. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Puget Sound, WA: Group Health Cooperative (GHC)
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

Students participate in diagnosis and treatment of ocular diseases in outpatients. Weekly assignment to Group Health ophthalmologist responsible for the care of walk-in and urgent patients, which may demonstrate findings pertinent to the future practice of primary care physicians. Examination techniques, including tonometry, ophthalmoscopy, and biomicroscopy.

### **OPHTH 689 P- Ophthalmology Clerkship Spokane (4) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of Human Biology Series. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Criminal background check & student release form, drug screen test & student release form, immunizations, documentation, hospital ID.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Spokane, Washington: Spokane Eye Clinic
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Students participate in diagnosis and management of commonly seen eye diseases. Subspecialty clinics include cornea, retina, neuro-ophthalmology, glaucoma, contact lenses, and strabismus.

#### **Goals and Objectives:**

The general learning objectives and remarks, which follow are intended to provide you with overall framework which to understand the content and structure of the course.

1. To develop confidence in specific examination techniques which are commonly used by ophthalmologists to detect abnormalities of the eyes, optic nerve, lids, lacrimal apparatus, and visual pathways;
2. To assist students in identifying, recalling, and categorizing information about seven clinical problem areas: visual acuity, ophthalmoscopy, glaucoma, red eye, injuries, amblyopia and strabismus, and neuro-ophthalmology;
3. To assist the student in describing and communicating ocular findings with other physicians and when to refer cataract and sight threatening symptoms (e.g., eye pain, vision loss, flashes, and floaters) to an ophthalmologists;
4. To provide a first-time experience for students to actually work in an ophthalmology practice setting with adult and pediatric patients, their families, and ophthalmic nurses and technicians. This setting provides a balance of outpatient, emergency room, inpatient, and operating room experiences and is directed toward the following:
  - the application of basic science and clinical knowledge to specific eye problems,

- gaining practical experience and insight into the communication skills, examination techniques, and treatments which are used in the practice of ophthalmology,
  - deciding whether to become an ophthalmologist,
5. To introduce students to controversial areas of ophthalmology to stimulate reading and investigation into these topics,
  6. To observe common surgical techniques, such as cataract extraction with intraocular lens implantation.

There are several skill objectives, which are required for minimal performance in this course. These skill areas are described briefly below: At the end of the clerkship, the student should be able to:

1. Read and interpret an ophthalmologic consultation which requires knowledge of specific terminology and abbreviations,
2. Perform an appropriate and focused history and physical examination for a new ophthalmology patient,
3. Develop a plan for the investigation and management of his/her specific ocular problem(s),
4. Perform the following procedures:
  - Recording of visual acuity at near and distance,
  - Examination of the intraocular muscles (including the cover test) and intraocular muscles (accommodation and papillary reactions),
  - Hand light and slit lamp examinations of the external structures of the eye, lids, and lacrimal apparatus,
  - Examination of the cornea, anterior chamber, iris, lens, and anterior vitreous with a slit lamp,
  - Ophthalmoscopic examinations of the media (cornea, anterior chamber, lens, and vitreous) and fundus (optic disc, macula, and vessels),
  - Confrontation examination of the peripheral visual fields,
5. Understand and discuss the initial management of eye emergencies.

**Schedule:**

Scheduling is based on the location of the clerkship. In general, each student will be exposed to a variety of patients and settings. All students (non-WWAMI site) will participate in the Department of Ophthalmology Conferences at UWMC on Thursday mornings.

**Conferences:**

Basic Clinical and Science Course, Lectures, and Grand Rounds (Thursday mornings)

**Readings/texts:**

- American Academy of Ophthalmology, *Basic Ophthalmology for Medical Students and Primary Care Residents*, 8<sup>th</sup> Edition, 2004
- UW Ophthalmology Clerkship Syllabus
- Vaughn et al, eds., *General Ophthalmology*, 16<sup>th</sup> edition, 2003

**Evaluation:**

1. By student.
2. By faculty (Evaluation of Student Performance in the Clinical Curriculum).

**Other:**

Students will take a brief quiz on basic ophthalmology topics the second Thursday following the conference. Free shuttle service from UWMC to the VAPSHCS and HMC sites is available. Students at the CHRMC and GHC locations will need to arrange for their own transportation.

## OPHTH 697 P- Ophthalmology Special Elective ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Fourth year medical students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Unlimited.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

This elective has provided clinical and laboratory experience in ophthalmology in settings ranging from a private eye clinic in Chicago to the Manhattan Eye and Ear Infirmary in New York. The arrangements must be initiated by the student, but we are able to provide guidance in order to ensure that a valuable experience will be obtained.

### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

## OPHTH 699 P- WWAMI Ophthalmology Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Permission from the department. Fourth year medical students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Dorrie Quirante, 206-685-1969, dorrieq@u.washington.edu
<b>Director:</b>	Courtney Francis, 206 543-7250, francis3@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Ophthalmology, HSB NJB 866, 206-685-1969
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# ORTHOPAEDICS AND SPORTS MEDICINE

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Number	Clerkship Title	Location	Credits
ORTHP 644	P- General Orthopaedic Clerkship Jackson	Jackson, WY	*, max. 8
ORTHP 650	P- General Orthopaedic Clerkship Billings	Billings, MT	*, max. 8
ORTHP 668	P- Pediatric Orthopaedic Spokane	Spokane, WA	*, max. 8
ORTHP 669	P- General Orthopaedic Clerkship	Spokane, WA	*, max. 8
ORTHP 675	P- Preceptorship Orthopaedics	Seattle, WA	*, max. 4
ORTHP 676	P- Pediatric Orthopaedics Seattle Children's	Seattle, WA	*, max. 8
ORTHP 677	P- Musculoskeletal Trauma	Seattle, WA	*, max. 8
ORTHP 678	P- Musculoskeletal Oncology	Seattle, WA	8
ORTHP 680	P- General Orthopaedic Clerkship VAMC	Seattle, WA	*, max. 8
ORTHP 681	P- Sports Medicine Orthopaedic Clerkship	Seattle, WA	8
ORTHP 682	P- Outpatient Orthopedics	Seattle, WA	8
ORTHP 684	P- Disorders of the Spine	Seattle, WA	8
ORTHP 685	P- Adult Reconstruction: Total Joint Service	Seattle, WA	8
ORTHP 687	P- Shoulder and Elbow	Seattle, WA	8
ORTHP 697	P- Orthopaedic External Elective	Outside WWAMI	*, max. 24
ORTHP 699	P- WWAMI Orthopaedic Special Elective	Inside WWAMI	*, max. 24

## ORTHOPAEDICS AND SPORTS MEDICINE

### Elective Clerkships

Department website: <http://www.orthop.washington.edu/?q=education/clerkships.html>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
	ORTHP 650	ORTHP 675, 676, 677, 678, 680, 681, 682, 684, 685, 687	ORTHP & 668 669	ORTHP 644	ORTHP 697 & 699

**[ORTHP 644 P- General Orthopaedic Clerkship Jackson \( \\*, max. 8\) credits](#)**  
**[ORTHP 650 P- General Orthopaedic Clerkship Billings \( \\*, max. 8\) credits](#)**  
**[ORTHP 669 P- General Orthopaedic Clerkship Spokane \( \\*, max. 8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Third- and fourth-year students. Surg required clerkship and completion of HUBIO series. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Jackson, WY: Teton Orthopaedics Billings, MT: Ortho Montana Spokane, WA: Orthopaedic Specialty Clinic of Spokane
<b>Housing Available:</b>	Contact the Department of Orthopaedic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Provides a basic education in the fundamentals of the musculoskeletal system. Emphasizes reconstructive alternatives in the treatment of degenerative joint diseases.

### **[ORTHP 675 P- Preceptorship in Orthopaedics \( \\*, max 4\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third-and fourth-year medical students. Permission to add or drop. <i>Note:</i> This clerkship can only be dropped if the student finds a replacement. No adds or drops within four weeks of the start of the rotation.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation AUT, SPR, SUM; 1 student in WIN
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle area private practice/community
<b>Housing Available:</b>	Contact the Department of Orthopaedic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

The student will spend full time with the preceptor during all his/her working day in order to gain a better understanding of the diagnosis and management of problems of the musculoskeletal system as seen in a private orthopaedic practice, both in the clinic and operating room. If the student has to drop the clerkship

less than 4 weeks before the start of the rotation, it is the student's responsibility to find another medical student to take his or her place.

**ORTHP 668 P- Pediatric Orthopaedics Spokane ( \*, max 8) credits**

**ORTHP 676 P- Pediatric Orthopaedics Seattle Children's ( \*, max 8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surgery required clerkship. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Spokane: Criminal background check, letter of good standing, drug screen report, immunization record, appointment with HR.
<b>Total Enrollment:</b>	1 student each rotation
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Shriners' Hospital for Children Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Orthopaedic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	Permission from department required for ORTHP 668
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

During the 4 week clerkship, students should be able to identify and describe the most common topics:

- Normal musculoskeletal variations of childhood, including:
  - developmental milestones,
  - torsion, i.e. in-/out-toeing,
  - flexible flatfoot,
  - bow-legs and knock-knees.
- General musculoskeletal diseases of childhood, including:
  - bone and joint infections,
  - hip diseases, such as developmental dysplasia, slipped capital femoral epiphysis,
  - spine deformity, such as scoliosis, back pain,
  - foot deformity, such as clubfoot,
  - limb deficiency and limb length inequality,
  - sports injury in the immature athlete,
- Musculoskeletal trauma, including:
  - fractures and dislocations as treated in the Emergency Department,
  - injuries managed in the outpatient setting,
  - casting and splinting.

At the completion of the clerkship experience the student should be able to:

- Make a reasonable and appropriate differential diagnosis.
  - Know the pertinent diagnostic categories and the likelihood of each.
- Students should be able to demonstrate the ability to perform a focused history and physical examination emphasizing evaluation of the spine and extremities in the pediatric and adolescent patient.
- Students should be able to choose the appropriate imaging studies for such conditions as hip dysplasia, Legg-Calve-Perthes disease and slipped capital femoral epiphysis, meniscus tears and anterior cruciate ligament disruptions and scoliosis.
- Provide the standard of care in the community.
  - Know what you're comfortable treating, and what should be referred.
- Identify conditions that warrant referral to the relevant specialty.
  - These conditions include displaced limb fractures, especially those about the elbow, hip dysplasia, progressive scoliosis, knee cartilage and ligament injuries and bone and joint infections.
  - Ask for assistance when it is necessary and warranted.

**Schedule:**

Each student will be assigned to one of the three full-time pediatric orthopaedic staff, with additional clinic time spent with Tom Jinguji, James Foulsham or Cheryl Parker. Whether the student attends clinic or operating room will depend upon the staff's schedule.

<b>Monday</b>	7:00-10:00 am	Orthopaedic Curriculum, UWMC-HS Bldg. RR 134 Grand Rounds on first Monday of the month at Harborview Research and Training Bldg.
	1:00 - 5:30 pm	Orthopaedics clinic, CHMC, P704 (Mosca, Parker). Operating rooms, CHMC (Song).
<b>Tuesday</b>		Orthopaedics clinic, CHMC, P704 (Song, Parker Conrad). Operating rooms, CHMC (Mosca and Schmale).
<b>Wednesday</b>	6:30 - 9:00 am	Working conference, CHMC, CS304 (all staff).
	9:00 am - 5:30 pm	Orthopaedics clinic, CHMC, P704 (Mosca, Jinguji, Parker) Operating rooms, CHMC (Schmale and Conrad).
<b>Thursday</b>	6:45 – 7:30 am	Didactic conference, CS-304 or cafeteria.
	7:30am – 5:30 pm	Operating rooms, CHMC (Song, Mosca).
	8:00am – 5:00 pm	Orthopaedics clinic (Schmale, Parker)
<b>Friday</b>	7:00 - 8:00 am	Didactic conference, Orthopaedic office, G-510.
	9:00 am - 5:30 pm	Orthopaedics clinic, CHMC, P704 (all staff). Operating rooms, CHMC (Song, Mosca).

**Inpatients:** The student will assist the resident on her/his team as indicated. This includes daily morning and afternoon rounds, as well as consultations.

**Call:** The student will take 1 weekend of call per rotation, during which time she/he will follow the resident on duty and assist as indicated. This is an essential part of practice from which both the future orthopaedist and the future non-orthopaedist will benefit.

**Reading:**

Staheli, L.T. *Principles of Pediatric Orthopedics*, 2001.

**Presentations:**

Case presentation: The student will give 1 half-hour case presentation at a Thursday or Friday morning conference. This will be done with the assistance of the chief resident, which will include subject selection, directed reading, synthesis and delivery of complete but concise information in an appropriate and relevant manner.

**Evaluation:**

1. By student, on UW catalyst site.
2. By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

**ORTHP 677 P- Musculoskeletal Trauma ( \*, max 8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series and SURG required clerkship. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	4 students per rotation.
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Harborview Medical Center
<b>Housing Available:</b>	Contact the Department of Orthopaedic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

General Orthopædics, weighted toward musculoskeletal trauma.

- Musculoskeletal knowledge base including:
  - the approach to diagnosis of musculoskeletal injuries.
  - the treatment of simple musculoskeletal injuries.
  - understanding the difference between isolated injuries and polytrauma.
  - the biomechanics of tissue failure.
  - basic principles of tissue healing.
- Musculoskeletal traumatic conditions including:
  - fractures.
  - dislocations.
  - soft tissue injuries such as sprains and ligament disruptions.
  - conditions that affect mobility such as femoral neck fracture or spinal cord injury.
- During the 4 week clerkship, students should be able to identify and describe the most common surgical problems unique to orthopaedic trauma. These include fractures and dislocations of the upper and lower limbs, soft tissue injuries to the upper and lower limbs.
- Understand the impact of trauma on physical and social function and the impact on family and society.
- The student should be able to demonstrate the ability to perform a focused history and physical examination emphasizing neuro muscular function, sensation and motor control.
- Diagnosis and management of musculoskeletal injuries.
- In the operating room and/or clinic, students will be able to understand the anatomy, be able to interpret basic imaging studies of fractures and dislocations.

**Evaluation:**

1. By student, on UW catalyst site.
2. By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

**ORTHP 678 P- Musculoskeletal Oncology (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per 4 week clinical rotation.
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Administrative Contact:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Orthopædic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**General:**

The oncology rotation for medical students provides a basic understanding of the incidence of sarcomas and metastatic adenocarcinomas in adults and children. The general principles of oncology staging will be taught in addition to the fundamentals for imaging for staging and treatment parameters.

**Goals and Objectives:**

Students are expected to learn the influence of both primary sarcomas of bone and soft tissue in addition to the incidence of Metastatic disease involving the skeleton in adults and children. The requirements for diagnosis of each sarcoma subtype and the principles for staging and evaluation are all expected goals. Parameters and complications of treatment will also be reviewed and discussed with the students.

**Schedule:**

Attendance at clinics and conferences associated with the Orthopaedic Tumor Service/Sarcoma Service at the University of Washington.

**Schedule:**

<b>Monday</b>	7:00-10:00 am	Orthopædic Curriculum, UWMC-HS Bldg. RR 134 Grand Rounds on first Monday of the month at Harborview Research and Training Bldg.
	12:00 -1:00 pm	Sarcoma Conference, BB204.
	1:15 – 3:00 pm	Bone & Joint Clinic, Bone & Joint Center, 2nd floor, UWMC Roosevelt II.
<b>Tuesday</b>	7:00-8:00 am	Bone Tumor Conference, Seattle Children's Team Rm #2
	8:00 am -1:45 pm	Sarcoma Clinic at Seattle Cancer Care Alliance.
	2:00-6:00 pm	Bone Tumor Clinic – Seattle Children's
<b>Wednesday</b>	7:00-8:30 am	Seattle Children's Preop Conference, Rm R3478
	8:30-5:00 pm	Seattle Children's OR, Rm #14 or #8
<b>Thursday</b>	6:30 - 8:30 am	UWMC Ortho Preop Conference.
	7:45am – end	UWMC OR, Rooms 8 and 9
<b>Friday</b>	1:00-6:00 pm	Seattle Children's Clinic, Team Rm #2

**Readings/texts:**

Readings are required. Sharon Weiss, *Soft-Tissue Sarcomas*, and Les Wold, *Tumor Atlas*.

Additional readings, suggested texts and monographs may be obtained from the Tumor Service office in BB1033A.

**Evaluation:**

1. By student, on UW catalyst site.
2. By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

**ORTHP 680 P- General Orthopaedics Clerkship VAMC ( \*, max 8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surgery required clerkship. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	<b>Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation.
<b>Total Enrollment:</b>	2 students by 4 week rotation.
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Veterans Affairs Medical Center
<b>Housing Available:</b>	Contact the Department of Orthopædic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals:**

Clerkship content or what student should expect at the beginning.

- General orthopædic service. This represents the bulk of the general orthopædic care delivered at VAMC and is directed by Dr. Chansky, Dr. Greenlee and Dr. Bransford.
- Shoulder:
  - rotator cuff
  - Instability
  - arthritis
- Knee:
  - arthritis
  - meniscal tear
  - ligament tear

- Hip:
  - arthritis
  - osteonecrosis
  - fracture
- Musculoskeletal infections:
  - osteomyelitis
  - septic arthritis
    - native joint
    - prosthetic joint
- Soft tissue infection:
  - cellulites
  - suppurative tenosynovitis
  - septic bursitis
  - abscess
  - necrotizing fasciitis

The hand service is directed by Dr. Sack and entails the care of a wide range of degenerative and traumatic conditions.

The amputation, foot and ankle service is directed by Dr. Sangeorzan and is focused on the care of veterans with vasculopathy and diabetes mellitus as well as more generalized foot and ankle diseases.

The spine service, directed by Dr. Bransford in conjunction with the Neurosurgery service, focuses on adult reconstructive spine surgery.

Rotation on these services is available by permission of Dr. Chansky.

**Objectives:**

- Medical care of the orthopaedic patient:
  - obtain necessary but not excessive preoperative studies according to published guidelines,
  - obtain appropriate consultations,
  - triage patients who should be admitted to a medical service or intensive care unit,
  - perioperative care and discharge of orthopaedic patients.
- Evaluation of patients in the emergency department.
- Outpatient orthopaedics:
  - basic exam for each joint and spine,
  - indications for appropriate radiographic and laboratory studies,
  - appropriate period of follow-up, when to discharge patient from care,
  - low back pain,
    - when to work-up
    - imaging – what studies and when to get them
    - nonoperative treatment
  - osteoarthritis – primary and secondary, shoulder, knee, hip,
    - risk factors, history and physical
    - nonoperative management – literature
      - Tylenol/NSAIDs
      - aides
      - shoe inserts/unloading braces
- Manual and other basic skills:
  - Suturing,
  - dressings/casts,
  - patient positioning, prepping and draping.

**Schedule:**

Each student will be assigned to one of the four full-time pediatric orthopaedic staff. Whether the student attends clinic or operating room will depend upon the staff's schedule.

**Schedule:**

<b>Monday</b>	7:00-10:00 am	Orthopaedic Curriculum, UWMC-HS Bldg, RR 134 Grand Rounds on first Monday of the month at Harborview Research and Training Bldg
	1:00 - 6:00 pm	Orthopaedic follow-up clinic, East clinic (Chansky)
<b>Tuesday</b>	7:30 am -2:00 pm	Orthopaedic Hand Clinic, East Clinic (Sack) Hand & Elbow Surgery, operating rooms (Sack)
	7:30 - 8:30 am	Amputation Rounds (Sangeorzan)
<b>Wednesday</b>	7:30-8:30 am	M&M Conference (Chansky, Greenlee, Bransford)
	8:30 am - 5:30 pm	Operating rooms (Chansky, Greenlee, Bransford)
<b>Thursday</b>	8:00 am -12:00 pm	General Orthopaedic Clinic, East Clinic (Greenlee)
	1:00 - 5:30 pm	New Patient Clinic, East Clinic (Bransford)
<b>Friday</b>	7:30 am -3:30 pm	Operating rooms (Chansky, Greenlee, Bransford, Sangeorzan)
	1:00 – 6:00 pm	Ortho Spine Clinic, East Clinic (Ananthakrishnan)

**Inpatients:** The student will assist the residents on daily morning and afternoon rounds, as well as consultations.

**Call:** Call is from home. The student will spend one weekend on call with the R-4 orthopaedic resident.

**Reading:**

*Campbell's Operative Orthopaedics.* Canale, S.T., ed., Mosby, 1998.

**Evaluation:**

1. By student, on UW catalyst site.
2. By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

**ORTHP 681 P- Sports Medicine Orthopaedics Clerkship (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surgery required clerkship. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per 4 week clinical rotation
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UW Sports Medicine Clinic, Hec Edmundson Pavilion
<b>Housing Available:</b>	Contact the Department of Orthopaedic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

Students have "customized" experiences specific to their learning needs.

**Schedule:**

Each student will follow the orthopaedic resident on the Sports Medicine Service. The resident changes schedules in the middle of a 10 week rotation so as to maximize contact with different faculty members. Depending on when the student arrives, the resident may be on schedule A or schedule B.

**Reading:**

Orthopaedics Clerkship Syllabus.

**Evaluation:**

1. By student, on UW catalyst site.
2. By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

## ORTHP 682 P- Outpatient Orthopædics (8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surgery required clerkship. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per 4 week clinical rotation
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC Bone and Joint Center
<b>Housing Available:</b>	Contact the Department of Orthopædic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

### **Goals and Objectives:**

Clerkship content or what to expect:

Musculoskeletal knowledge base, including:

- normal alignment and joint range of motion,
- basic biomechanics,
- basic bone pathophysiology.
- General musculoskeletal diseases, including:
  - bone and joint infections,
  - hip conditions, such as osteoarthritis, rheumatoid arthritis, avascular necrosis,
  - spine conditions, such as spinal stenosis, disc disease, adult scoliosis, back pain,
  - foot conditions, such as bunions, flatfoot or cavus deformities, tendonitis,
  - hand conditions, such as carpal tunnel syndrome, osteoarthritis and rheumatoid arthritis,
  - shoulder diseases, such as recurrent dislocations, osteoarthritis, frozen shoulder,
  - sports injury in the athlete,
  - tumors of bone and soft tissue.
- Musculoskeletal trauma, including:
  - fractures and dislocations as treated in the Emergency Department,
  - injuries managed in the outpatient setting,
  - casting and splinting.

What you will be able to do for musculoskeletal problems in adult outpatient setting, or what we expect at the end:

- Make a correct diagnosis.
  - know what you're dealing with, and don't miss anything important.
- Perform an acceptable work-up.
  - perform a basic but thorough evaluation, including physical examination, imaging studies, laboratories.
- Provide the standard of care in the community.
  - treat what you're comfortable treating.
- Seek an appropriate referral.
  - ask for help when it is necessary and warranted.

### **Schedule:**

Each student will be assigned to one of the full-time orthopædic staff. Whether the student attends clinic or operating room will depend upon the staff's schedule.

<b>Monday</b>	AM	Basic Orthopædic Curriculum (Monday Morning Conference), UWMC-HS Bldg. RR 134 Grand Rounds on first Monday of the month at Harborview Research and Training Building
	PM	Tumor Clinic (Dr. Conrad) – at Bone & Joint Center
<b>Tuesday</b>	AM	Sports Medicine Clinic (Dr. Teitz) at the Sports Medicine Clinic
	PM	Spine Clinic (Dr. Chapman/Dr. Lee) - at Bone & Joint Center

Wednesday	AM	Hand Clinic (Dr. Trumble) at Bone & Joint Center or preparation time
	PM	Hand Clinic (Dr. Trumble) - at Bone & Joint Center
Thursday	AM	Hip/Knee Arthritis (Dr. Leopold) - at Bone & Joint Center
	PM	Hip/Knee Arthritis (Dr. Leopold) - at Bone & Joint Center or Preparation Time
Friday	AM	Shoulder Clinic (Dr Matsen/Dr. Warme/Fellow/Resident on rotation) –at Bone and Joint Center.
	PM	Shoulder Clinic (Dr Matsen/Dr. Warme/Fellow/Resident on rotation) –at Bone and Joint Center.

**Call:** The student will take 1 weekend of call per rotation, during which time she/he will follow the chief resident on duty and assist as indicated. This is an essential part of practice from which both the future orthopaedist and the future non-orthopaedist will benefit.

**Evaluation:**

- By student, on UW catalyst site.
- By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

**Reading:**

*Fundamentals of Orthopaedics*, Mark R. Brinker, Mark D. Miller.  
*Campbell's Operative Orthopaedics*, S. Terry Canale, ed.

**Other:**

*Case presentation:* The student will give 1 half-hour case presentation at Thursday morning conference. This will be done with the assistance of the chief resident, which will include subject selection, directed reading, synthesis and delivery of complete but concise information in an appropriate and relevant manner.

**Presentations:**

*Case presentation:* The student will present cases at one Tuesday morning preoperative conference. This will be done with the assistance of the senior resident, which will include synthesis and delivery of complete but concise information in an appropriate and relevant manner.

**ORTHP 684 P- Disorders of the Spine (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Total Enrollment:</b>	1 student per 4 week clinical rotation
<b>Prerequisite:</b>	Surgery required clerkship. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Orthopaedic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- Initial evaluation of the spine:
  - understand and be able to perform a complete physical examination of the spine,
  - special diagnostic tests for the spine.
- Disorders of the spine:
  - understand the differences between surgical and nonsurgical spine disorders,
  - understand what disorders constitute a surgical emergency,
  - understand the complete spectrum of nonsurgical management of spine disorders,
  - understand surgical indications,
  - understand the relative contraindications for spine surgery,

- understand the risks of spine surgery,
- understand the postoperative care and rehabilitation of spine surgery patients.

At the end of the clerkship, the student should be able to:

- Perform a thorough history and physical examination of a patient presenting with a spine abnormality
- Understand the appropriate diagnostic tests based on a differential diagnosis established after a history and physical examination
- Have a basic understanding of the type of surgery necessary for differing types of spine disorders
- Understand what types of problems are appropriate for primary care management and what spine problems require referral to a spine surgeon

**Schedule:**

The student will be assigned to work with any of the spine surgeons at the University of Washington who have clinic or operative cases as delineated below.

<b>Monday</b>	7:00-10:00 am	Basic Orthopædic Curriculum, UWMC-HS Bldg. RR 134
		Grand Rounds on first Monday of the month at Harborview Research and Training Building
<b>Tuesday</b>	7:00 am – 8:30 am	Rounds. Spine preoperative conference, South Campus Center. Spine Clinic at Roosevelt Bone and Joint Center (Chapman/Wagner)
	8:30 am – 5:00 pm	
<b>Wednesday</b>	9:00 am - 5:30 pm	Rounds, Operating at UWMC (Chapman/Wagner)
<b>Thursday</b>	6:30 - 8:00 am	Orthopedic Curriculum UWMC – HS Bldg. RR134 Operating at UWMC/Research(Chapman / Wagner/ Ananthakrishnan / Bransford / Mirza)
<b>Friday</b>	7:30 am -5:30 pm	Operating at UWMC/Research (Chapman / Wagner/ Ananthakrishnan / Bransford / Mirza)

**Inpatients:** The student will assist the resident on her/his team including daily morning rounds, consultations, and in operative cases.

**Call:** The student will take one weekend of call per rotation, during which time she/he will follow the resident on duty and assist in evaluating acute spine abnormalities/trauma.

**Reading:**

*Physical Examination of the Spine and Extremities*

**Evaluation:**

1. By student, on UW catalyst site.
2. By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

**Presentations:**

*Case presentation:* The student will present cases at one Tuesday morning preoperative conference. This will be done with the assistance of the senior resident, which will include synthesis and delivery of complete but concise information in an appropriate and relevant manner.

**ORTHP 685 P- Adult Reconstruction: Total Joint Service Clerkship (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surgery required clerkship. Third- and Fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per 4 week clinical rotation
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu

<b>Administrative Contacts:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Orthopædic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- Physical Examination of the Hip:
  - understand and be able to perform a complete physical examination of the hip,
  - be familiar with special diagnostic tests for the hip.
- Physical Examination of the Knee:
  - understand and be able to perform a complete physical examination of the knee in older adults,
  - be familiar with special diagnostic tests for the knee in older adults.
- Arthritis of the Hip and Knee:
  - understand the basics of hip and knee arthritis,
  - understand the basics of non surgical treatment of hip and knee arthritis,
  - be familiar with the role of surgery for patients with hip and knee arthritis,
  - be familiar with the contraindications for hip and knee replacement.

When the clerkship is completed the student will be able to:

- Identify, based on radiographic and clinical data the presence of osteoarthritis, avascular necrosis and other common degenerative conditions affecting the hip and knee,
- Understand the general indications and contraindications for reconstructive (joint replacement) surgery on the adult hip and knee,
- The student should be able to demonstrate the ability to perform a focused history and physical examination on the adult hip and knee. The student should also be able to identify the common “red flag” signs that would contraindicate elective surgery on those joints,
- The student will be able to identify conditions that warrant referral to the hip and knee service and also be able to formulate a plan for initial non-operative management of adults with degenerative conditions of those joints who present for evaluation,
- Suggest appropriate diagnostic tests based on a differential diagnosis established after a history and physical examination,
- Suggest an appropriate course of non surgical treatment for a patient presenting hip or knee arthritis,
- Identify patients for whom surgery would not be appropriate,
- In the operating room and/or clinic, students will be able to demonstrate and sharpen skills in basic surgical techniques such as knot-tying and suturing,
- Students should be able to list the use of appropriate imaging studies for the common conditions affecting the adult hip and knee.

**Schedule:**

Each student will be assigned to work Dr. Leopold at the University of Washington.

<b>Monday</b>	7:00-10:00 am	Orthopædic Curriculum, UWMC-HS Bldg. RR 134 Grand Rounds on first Monday of the month at Harborview Research and Training Bldg.
	10:00 am - 5:30 pm	Operating Room with Dr. Leopold
<b>Tuesday</b>	8:00 am -5:30 pm	Operating Room with Dr. Leopold
<b>Wednesday</b>	9:00 am - 5:00 pm	Clinic at the Eastside Specialty Center with Dr. Leopold
<b>Thursday</b>	6:30 am – 8:00 am	UWMC Conference, RR-134
	9:00 am - 5:00 pm	Clinic at UWMC Bone and Joint Center with Dr. Leopold
<b>Friday</b>	8:00 am - 5:00 pm	Clinic at the Eastside Specialty Center with Dr. Leopold

**Inpatients:** The student will assist the resident on her/his team as indicated. This includes daily morning and afternoon rounds, as well as consultations.

**Call:** The student will take call with the resident on the reconstruction service, typically Mondays and one weekend a month, during which time she/he will follow the resident on duty and assist as appropriate.

**Reading:**

*Physical Examination of the Spine and Extremities* (Hoppenfeld), *Orthopaedic Knowledge Update: Hip and Knee-2*.

**Evaluation:**

1. By student, on UW catalyst site.
2. By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

**Other:**

Student will participate in Monday and Thursday morning conferences at a level appropriate for a fourth-year medical student.

## **ORTHP 687 P- Shoulder and Elbow (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surgery required clerkship. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per 4 week clinical rotation
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Orthopaedic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- Obtain a basic, relevant knowledge of shoulder and elbow anatomy and pathology. This may be achieved by:
  - reading and understanding the material listed above under “reading”
  - reviewing Dr. Douglas Harryman's videos entitled, *Safe and Effective Surgical Approaches to the Shoulder and Mechanisms of Glenohumeral Stability*.
- Evaluate and develop management plans for patients with shoulder and elbow problems by:
  - conducting a thorough/efficient clinical history and physical examination,
  - understanding the implications of systemic, emotional, and situational factors to the treatment of shoulder and elbow problems,
  - understanding the relationship of conditions of the neck and brachial plexus to symptoms and findings in the shoulder and elbow area,
  - understanding the indications for and interpretation of standard radiographs, CTs, MRIs, and sonograms of the shoulder and elbow,
  - understanding the relevant basic science and anatomy (gross and arthroscopic) related to the shoulder and elbow,
  - presenting basic treatment options, including home exercises, medications and surgery along with the alternatives and risks of each,
  - understanding the diagnosis and treatment for a core group of shoulder problems including:
    - stability (atraumatic and traumatic instability),
    - stiffness (localized, global, idiopathic, diabetic, post-traumatic, and post-surgical),
    - smoothness (OA, RA, AVN, capsulorrhaphy arthropathy, cuff tear arthropathy, post-traumatic DJD, snapping scapula, and subacromial roughness),
    - strength (rotator cuff tears and nerve lesions),
    - biceps tendonitis,
    - AC joint problems (DJD and separation),

- trauma (clavicular, scapular, and proximal humeral fractures).
- understanding the diagnosis and treatment for a core group of elbow problems including:
  - instability (acute and chronic ligament insufficiency),
  - stiffness (post-traumatic, post-surgical, heterotopic ossification),
  - smoothness (OA, RA, and post-traumatic DJD),
  - strength (distal biceps ruptures and nerve lesions),
  - medial and lateral epicondylitis,
  - olecranon bursitis,
  - loose bodies,
  - entrapment neuropathies,
  - trauma (distal humerus, radial head, olecranon, coronoid fractures).
- understanding appropriate rehabilitation protocols and schedules for various shoulder and elbow problems, both conservative and post-operative.

**Schedule:**

Each student will be assigned to work with both of the Shoulder and Elbow Surgery Staff at the University of Washington.

<b>Monday</b>	7:00-10:00 am	Basic Orthopaedic Curriculum, UWMC-HS Bldg. RR 134 Grand Rounds on first Monday of the month at Harborview Research and Training Building
	10:00 am - 5:00 pm	Orthopaedic Clinic, Bone & Joint Center (Matsen)
<b>Tuesday</b>	8:00 am -5:30 pm	Operating rooms (Matsen)
<b>Wednesday</b>	7:30 am - 7:00 pm	Research Day/Call with third - year orthopaedic resident
<b>Thursday</b>	6:30 – 8:30 am	Orthopaedics Conference, UWMC RR-134
<b>Friday</b>	7:30 am - 5:30 pm	Orthopaedic Clinic, Bone & Joint Center, (Matsen)

**Inpatients:** The student will assist the resident on her/his team as indicated. This includes daily morning and afternoon rounds, as well as consultations.

**Call:** The student will take 1 weekend of call per rotation, during which time she/he will follow the resident on duty and assist as indicated. This is an essential part of practice from which both the future orthopaedist and the future non-orthopaedist will benefit.

**Reading:**

*Surgical Exposures in Orthopaedics: The Anatomic Approach*  
*Physical Examination of the Spine and Extremities*  
*Practical Evaluation and Management of the Shoulder*  
*The Shoulder*  
*The Elbow and Its Disorders*

**Evaluation**

1. By student, on UW catalyst site.
2. By Faculty, on Evaluation of Student Performance in the Clinical Curriculum.

**Other:**

*Case presentation:* The student may give one 15-30 minute case presentation at Thursday morning conference. This will be done with the assistance of the house staff, which will include subject selection, directed reading, synthesis and delivery of complete but concise information in an appropriate and relevant manner.

**ORTHP 697 P- Orthopaedics External Elective ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission of department. Completion of HuBio series. Fourth- year medical students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location

<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Orthopædic & Sports Medicine, 206-744-4927
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**Additional requirements:**

- The student will write a letter of personal goals and objectives. The letter will indicate the student's intent, focus, desired experience and description of the teaching site.
- A letter from your preceptor which states an agreement to precept you, a brief description of the types of experiences you will likely be exposed to, as well as a brief description of the patient population. The student must have the preceptor mail this letter or via email to Amanda Schwanz before registration will be finalized.

**ORTHP 699 P- WWAMI Orthopædics Special Electives ( \*,max 24)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission of department. Open to fourth year students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Amanda Schwanz, 206-744-4927, amands4@u.washington.edu
<b>Director:</b>	Greg Schmale, 206-987-1776, gschmale@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Orthopædic & Sports Medicine, 206-744-4927
<b>Permission required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**Additional requirements:**

- The student will write a letter of personal goals and objectives. The letter will indicate the student's intent, focus, desired experience and description of the teaching site.
- A letter from your preceptor which states an agreement to precept you, a brief description of the types of experiences you will likely be exposed to, as well as a brief description of the patient population. The student must have the preceptor mail this letter or via email to Amanda Schwanz before registration will be finalized.

# OTOLARYNGOLOGY – HEAD & NECK SURGERY

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Number	Clerkship Title	Location	Credits
OTOHN 678	P- Otolaryngology- Head & Neck Surgery Clerkship Cheyenne	Cheyenne, WY	4/8, max. 24
OTOHN 679	P- Otolaryngology- Head & Neck Surgery Clerkship Missoula	Missoula, MT	4/8, max. 24
OTOHN 680	P- Otolaryngology- Head & Neck Surgery Clerkship UWMC	Seattle, WA	4/8, max. 24
OTOHN 681	P- Otolaryngology- Head & Neck Surgery Clerkship HMC	Seattle, WA	4/8, max. 24
OTOHN 682	P- Otolaryngology- Head & Neck Surgery Clerkship VA	Seattle, WA	4/8, max. 24
OTOHN 683	P- Otolaryngology- Head & Neck Surgery Clerkship Madigan	Tacoma, WA	*, max 8
OTOHN 684	P- Otolaryngology- Head & Neck Surgery Clerkship SCH	Seattle, WA	4/8, max. 24
OTOHN 685	P- Otolaryngology- Head & Neck Surgery Clerkship Boise	Boise, ID	4/8, max. 24
OTOHN 686	P- Otolaryngology- Head & Neck Surgery Clerkship Greater Seattle Private Practice	Seattle, WA	4
OTOHN 687	P- Otolaryngology- Head & Neck Surgery Clerkship Spokane	Spokane, WA	4/8, max. 24
OTOHN 688	P- Otolaryngology- Head & Neck Surgery Clerkship Anchorage	Anchorage, AK	4/8, max. 24
OTOHN 697	P- Otolaryngology- Head & Neck Surgery Away Externship	Outside WWAMI	*, max. 8
OTOHN 699	P- Otolaryngology- Head & Neck Surgery Clerkship WWAMI	Inside WWAMI	4/8, max. 8

## OTOLARYNGOLOGY – HEAD AND NECK SURGERY Elective Clerkships

Clerkship website: [http://depts.washington.edu/otoweb/training2/med\\_students.htm](http://depts.washington.edu/otoweb/training2/med_students.htm)

Courses Offered in:						
Alaska	Idaho	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
OTOHN 688	OTOHN 685	OTOHN 679	OTOHN 680, 681, 682, 683, 684, & 686	OTOHN 687	OTOHN 678	OTOHN 697 & 699

[OTOHN 680 P- Otolaryngology-Head & Neck Surgery Clerkship UW \(4/8, max 24\)](#)  
[OTOHN 681 P- Otolaryngology-Head & Neck Surgery Clerkship HMC \(4/8, max 24\)](#)  
[OTOHN 682 P- Otolaryngology-Head & Neck Surgery Clerkship VA \(4/8, max 24\)](#)  
[OTOHN 684 P- Otolaryngology-Head & Neck Surgery Clerkship SCH \(4/8, max 24\)](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series; third- and fourth-year medical students; MED or SURG required clerkship.
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork.</b>
<b>Total Enrollment:</b>	6 students per rotation.
<b>Clerkship Coordinator:</b>	Jessica Strauss, 206-543-5662, <a href="mailto:strauej@uw.edu">strauej@uw.edu</a>
<b>Administrative Contact:</b>	Allen Hillel, 206-543-5662, <a href="mailto:ahillel@uw.edu">ahillel@uw.edu</a>
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, Seattle Children’s Hospital, VA. Rotations may be split into two 2-week rotations at different hospitals.
<b>Housing Available:</b>	Contact the Department of Otolaryngology, HSB BB1165, 206-543-5662
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

This clerkship includes rotations at the following sites: UWMC (two students), HMC (one student), VA (one student), and Seattle Children’s Hospital (one student). The four-week rotation option is intended for the student who has a particular interest in otolaryngology.

### **Goals and Objectives:**

- Develop an introductory knowledge in general otolaryngology including the subspecialties of head & neck cancer, laryngology, maxillofacial trauma and reconstruction, sinus disorders, otology, and pediatric otolaryngology,
- Develop an understanding of the directed history required in otolaryngology,
- Develop an understanding and ability to perform a dedicated head and neck exam,
- Develop an understanding of peri-operative issues in otolaryngology patients through direct involvement with inpatient management,
- Develop an understanding of head and neck anatomy through observing/participating in operative and in-office procedures.

At the completion of this rotation, the student will be able to:

- Identify and describe the most common surgical problems unique to the relevant specialty (tonsillitis & peritonsillar abscess, sinusitis, sleep disorders, head & neck cancer, laryngeal & airway disorders, hoarseness, salivary gland disorders),
- Within the given specialty, students should be able to demonstrate the ability to perform a focused history and physical examination emphasizing ear, nose & sinus, oral cavity, oropharynx, larynx, neck,
- Identify conditions that warrant referral to the relevant specialty (head & neck infection, hoarseness, airway disorders, head & neck, cancer, sinusitis, sleep disorder, neck mass),

- In the operating room and/or clinic, students will be able to demonstrate and sharpen skills in basic surgical techniques such as knot-typing, suturing and limited dissection,
- List the use of appropriate imaging studies for that specialty,
- Demonstrate through presentation to faculty, the ability to develop a differential diagnosis for the patients they interview and examine,
- Demonstrate through intraoperative discussion, a basic understanding of normal head and neck anatomy through directed reading throughout the rotation,
- Describe the initial medical treatments employed in acute and chronic sinusitis, tonsillitis, epistaxis, sudden sensorineural hearing loss, hoarseness and stridor,
- Demonstrate an understanding of how the otolaryngologist works with other professionals in facilitating and coordinating patient care.

**Schedule:**

Each student will be assigned to the service in the designated hospital and follow the residents on the service. All rotations will provide a broad exposure to both inpatient and outpatient management. Students will have an opportunity to observe and participate in a variety of surgeries at each of these sites. Different scopes of practice will be emphasized at the various sites, for example:

- pediatrics otolaryngology at Seattle Children’s Hospital
- trauma/reconstruction and general otolaryngology at HMC
- head and neck oncology, general otolaryngology and otology at UWMC and VA.

All rotations are from 6:00 am – 6:00 pm which includes morning and evening rounds with the resident team. Clinic/operating room schedules vary among rotations (see samples below). On services where operating times and clinics overlap, the student should spend portions of time in all of the clinics listed for the rotation. All students will attend Wednesday teaching conferences at University Hospital. No mandatory on call. Any absences from daily work hours must be cleared with the Attending prior to planned leave.

**Schedule UWMC:**

	AM	PM
Monday	OR/Head and Neck Clinic	General Clinic
Tuesday	Laryngology Clinic	OR
Wednesday	Sinus Clinic	OR
Thursday	Otology Clinic	OR/Laryngology Clinic
Friday	OR/Sinus Clinic	OR

**Schedule VA and HMC:**

Clinic and OR days are distinct and separate. The student will therefore follow the residents and participate in the daily team activities.

**Schedule Seattle Children’s Hospital:**

Students are expected to give one presentation during the rotation at Seattle Children’s Hospital conference.

	AM	PM
Monday	Craniofacial Clinic/I OR	Sie Clinic/OR
Tuesday	Inglis Clinic/OR	Perkins Clinic
Wednesday	Hearing Loss Clinic/OR	VPI clinic/ OR
Thursday	Manning Clinic	OR
Friday	Inglis Clinic/OR	Inglis Clinic/OR

**Reading/texts:**

Otolaryngology Clerkship Syllabus or general otolaryngology textbook.

**Evaluation:**

By student, on <https://catalysttools.washington.edu/tools/webq3/?sid=7445&owner=peterp>

By faculty, on <https://catalysttools.washington.edu/survey/peterp/40105>

## **OTOHN 683 P-Otolaryngology-Head & Neck Surgery Clerkship Madigan ( \*, max 8)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- or fourth-year medical students. MED or SURG required clerkship strongly recommended.
<b>Compliance Requirement(s):</b>	<b>Credentialing paperwork must be submitted 90 days prior to rotation</b>
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Jessica Strauss, 206-543-5662, <a href="mailto:strauej@uw.edu">strauej@uw.edu</a>
<b>Administrative Contact:</b>	Allen Hillel, 206-543-5662, <a href="mailto:ahillel@uw.edu">ahillel@uw.edu</a>
<b>Clerkship Site(s):</b>	Tacoma, WA: Madigan Army Medical Center
<b>Housing Available:</b>	Contact the Department of Otolaryngology, HSB BB1165, 206-543-5662
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

### **Goals and Objectives:**

- General head and neck exam,
- Introduction to head & neck cancer, laryngology, sinus disorders, otology, and pediatric otolaryngology,
- Experience interviewing and presenting patients,
- Experience inpatient management,
- Experience observing/participating operative procedures.

At the completion of this rotation, the student will be able to:

- Identify and describe the most common surgical problems unique to the relevant specialty (tonsillitis & peritonsillar abscess, sinusitis, sleep disorders, head & neck cancer, laryngeal & airway disorders, hoarseness, salivary gland disorders),
- Within the given specialty, students should be able to demonstrate the ability to perform a focused history and physical examination emphasizing ear, nose & sinus, oral cavity, oropharynx, larynx, neck,
- Identify conditions that warrant referral to the relevant specialty (head & neck infection, hoarseness, airway disorders, head & neck, cancer, sinusitis, sleep disorder, neck mass),
- In the operating room and/or clinic, students will be able to demonstrate and sharpen skills in basic surgical techniques such as knot-typing, suturing and limited dissection,
- List the use of appropriate imaging studies for that specialty.
- Perform a screening head and neck exam to detect abnormal anatomy.
- Take a pertinent history with a majority of otolaryngology problems.
- Provide treatment for basic otolaryngology disorders.
- Recognize treatment failures or complex conditions that require appropriate and timely referral.

### **Schedule:**

Individual clerkship training at Madigan Army Medical Center outpatient clinic that offers a busy outpatient service with patients who have a wide variety of ear, nose, and throat complaints. The student is taught to examine the patients and present a complete diagnosis and management plan to the supervising staff. Inpatients are assigned. The student performs pre-admission evaluations, assists in the surgical procedures with expected ward responsibility for these patients. He/she is expected to review a basic ENT text and be able to discuss a question list on basic ENT disorders.

Annual ENT admissions to Madigan: 1,000. Annual outpatient visits for ENT: 14,000. Videotapes and appropriate reference materials are available within the ENT Clinic as well as adjacent medical library.

### **Reading:**

Introductory text of choice.

### **Evaluation:**

By student, on <https://catalysttools.washington.edu/tools/webq3/?sid=7445&owner=peterp>

By faculty, on <https://catalysttools.washington.edu/webq/survey/peterp/59837>

[OTOHN 678 P- Otolaryngology-Head & Neck Surgery Clerkship Cheyenne \(4/8, max 24\)](#)  
[OTOHN 679 P- Otolaryngology-Head & Neck Surgery Clerkship Missoula \(4/8, max 24\)](#)  
[OTOHN 685 P- Otolaryngology-Head & Neck Surgery Clerkship Boise \(4/8, max 24\)](#)  
[OTOHN 687 P- Otolaryngology-Head & Neck Surgery Clerkship Spokane \(4/8, max 24\)](#)  
[OTOHN 688 P- Otolaryngology-Head & Neck Surgery Clerkship Anchorage \(4/8, max 24\)](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- or fourth-year medical students. MED or SURG required clerkship strongly recommended. Permission from department required.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Neal Futran M.D.
<b>Clerkship Coordinator:</b>	Jessica Strauss, 206-543-5662, <a href="mailto:strauej@uw.edu">strauej@uw.edu</a>
<b>Director:</b>	Allen Hillel, 206-543-5662, <a href="mailto:ahillel@uw.edu">ahillel@uw.edu</a>
<b>Clerkship Site(s):</b>	Cheyenne, WY: Southwest Wyoming Ear Nose and Throat Missoula, MT: Rocky Mountain Ear, Nose & Throat Care Boise, ID: Southwest Idaho ENT Spokane, WA: Spokane ENT Clinic Anchorage, WA: Alaska Native Medical Center
<b>Housing Available:</b>	Contact the Department of Otolaryngology, HSB BB1165, 206-543-5662
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

[OTOHN 686 P- Otolaryngology-Head & Neck Surgery Clerkship Greater Seattle Private Practice \( \\*, max 4\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks off site.
<b>Prerequisite:</b>	Completion of HuBio series. Permission from department. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Jessica Strauss, 206-543-5662, <a href="mailto:strauej@uw.edu">strauej@uw.edu</a>
<b>Director:</b>	Allan Hillel, 206-543-5662, <a href="mailto:ahillel@uw.edu">ahillel@uw.edu</a>
<b>Clerkship Site(s):</b>	See sites listed below.
<b>Housing Available:</b>	Contact the Department of Otolaryngology, HSB BB1165, 206-543-5662
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Available Clinical Sites (1 student/site):

Charles Caplan, M.D.		Renton, WA
Glenn Drumheller, D.O.		Everett, WA
Kenneth Faw, M.D.		Kirkland, WA
Julie Gustafson, M.D.	Cascade Ear Nose & Throat	Puyallup, WA
Dan Kozie, M.D.	Green River ENT Clinic	Auburn, WA
Alice Kuntz, M.D.	Bellevue ENT Clinic	Bellevue, WA
Stacy Williams, M.D.		Kirkland, WA
Linnea Peterson, M.D.	Swedish Medical Center	Seattle, WA
Eric Pinczower, M.D.		Belleuve, WA
Patrick McClean, M.D.		Seattle, WA
Michael Wolfe, M.D.	Pacific Medical Center	Seattle, WA

This rotation will provide exposure to all aspects of patient care in otolaryngology through a private practice setting. The student will be exposed to the outpatient clinic and operating room procedures with daily directed contact by one attending faculty member. Contact the administrator to request a specific site. Final approval must be granted through Allen Hillel, MD.

**Goals and Objectives:**

- Develop an introductory knowledge in general otolaryngology,
- Develop an understanding of the directed history required in otolaryngology,
- Develop an understanding and ability to perform a dedicated head and neck exam,
- Develop an understanding of peri-operative issues in otolaryngology patients,
- Develop an understanding of head and neck anatomy through observing/participating in operative and in-office procedures.

At the completion of this rotation, the student will be able to:

- Identify and describe the most common surgical problems unique to the relevant specialty (tonsillitis & peritonsillar abscess, sinusitis, sleep disorders, head & neck cancer, laryngeal & airway disorders, hoarseness, salivary gland disorders).
- Within the given specialty, students should be able to demonstrate the ability to perform a focused history and physical examination emphasizing ear, nose & sinus, oral cavity, oropharynx, larynx, neck,
- Identify conditions that warrant referral to the relevant specialty (head & neck infection, hoarseness, airway disorders, head & neck, cancer, sinusitis, sleep disorder, neck mass),
- In the operating room and/or clinic, students will be able to demonstrate and sharpen skills in basic surgical techniques such as knot-typing, suturing and limited dissection,
- List the use of appropriate imaging studies for that specialty,
- Demonstrate the ability to take a pertinent history directed at the otolaryngology patient,
- Demonstrate the ability to perform a basic head and neck examination with the goal of detecting abnormal anatomy,
- Demonstrate through presentation to faculty, the ability to develop a differential diagnosis for the patients they interview and examine,
- Be able to describe the initial medical treatments employed in acute and chronic sinusitis, tonsillitis, epistaxis, sudden sensorineural hearing loss, hoarseness and stridor,
- Demonstrate an understanding of how the otolaryngologist works with other professionals in facilitating and coordinating patient care.

**Reading:**

General Otolaryngology Text or Otolaryngology Clerkship Syllabus

**Evaluation:**

By student, on <https://catalysttools.washington.edu/tools/webq3/?sid=7445&owner=peterp>

By faculty, on <https://catalysttools.washington.edu/webq/survey/peterp/59839>

**697 P- Otolaryngology-Head and Neck Surgery Special Clerkship (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Permission from department. Third- and fourth- year medical students.+ <b>2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinators:</b>	Jessica Strauss, 206-543-5662, <a href="mailto:strauej@uw.edu">strauej@uw.edu</a>
<b>Director:</b>	Allen Hillel, 206-543-5662, <a href="mailto:ahillel@uw.edu">ahillel@uw.edu</a>
<b>Clerkship Site(s):</b>	Various outside of WWAMI
<b>Housing Available:</b>	Contact the Department of Otolaryngology, HSB BB1165, 206-543-5662
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Qualified students, on their own initiative, may obtain special clerkships or away clerkships in otolaryngology at university centers other than the University of Washington. Where these opportunities meet standards acceptable to the Department of Otolaryngology-Head and Neck Surgery at the University of Washington, students may, with approval of the department chairman, be given credit for the assignment. These 4-week rotations are designed for the student interested in an in-depth experience in otolaryngology. The rotation carries the same goals and objectives as 680P Otolaryngology. In addition, the student should be made aware of site specific requirements that are specific to the chosen institution. The rotations should include an inpatient and outpatient otolaryngology clinical experience. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Goals and Objectives:**

- Develop an introductory knowledge in general otolaryngology including the subspecialties of head & neck cancer, laryngology, maxillofacial trauma and reconstruction, sinus disorders, otology, and pediatric otolaryngology,
- Develop an understanding of the directed history required in otolaryngology,
- Develop an understanding and ability to perform a dedicated head and neck exam,
- Develop an understanding of peri-operative issues in otolaryngology patients through direct involvement with inpatient management,
- Develop an understanding of head and neck anatomy through observing/participating in operative and in-office procedures.

At the completion of this rotation, the student will be able to:

- Identify and describe the most common surgical problems unique to the relevant specialty (tonsillitis & peritonsillar abscess, sinusitis, sleep disorders, head & neck cancer, laryngeal & airway disorders, hoarseness, salivary gland disorders).
- Within the given specialty, students should be able to demonstrate the ability to perform a focused history and physical examination emphasizing ear, nose & sinus, oral cavity, oropharynx, larynx, neck,
- Identify conditions that warrant referral to the relevant specialty (head & neck infection, hoarseness, airway disorders, head & neck, cancer, sinusitis, sleep disorder, neck mass),
- In the operating room and/or clinic, students will be able to demonstrate and sharpen skills in basic surgical techniques such as knot-typing, suturing and limited dissection,
- List the use of appropriate imaging studies for that specialty,
- Demonstrate through presentation to faculty, the ability to develop a differential diagnosis for the patients they interview and examine,
- Demonstrate through intraoperative discussion, a basic understanding of normal head and neck anatomy through directed reading throughout the rotation,
- Be able to describe the initial medical treatments employed in acute and chronic sinusitis, tonsillitis, epistaxis, sudden sensorineural hearing loss, hoarseness and stridor,
- Demonstrate an understanding of how the otolaryngologist works with other professionals in facilitating and coordinating patient care.

**Reading:**

General Otolaryngology Text of choice or Otolaryngology Clerkship Syllabus

**Evaluation:**

By Student, on <https://catalysttools.washington.edu/tools/webq3/?sid=7445&owner=peterp>

By Faculty, on <https://catalysttools.washington.edu/webq/survey/peterp/59841>

**OTOHN 699 P- WWAMI Otolaryngology-Head & Neck Surgery Special Clerkship (4/8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full time
<b>Prerequisite:</b>	Completion of HuBio series. Permission from department. Third- and fourth-year medical students. MED or SURG required clerkships strongly recommended. <b>+ 2 month application process</b>
<b>Compliance</b>	Variable based on site location.

<b>Requirement(s):</b>	
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Jessica Strauss, 206-543-5662, <a href="mailto:strauej@uw.edu">strauej@uw.edu</a>
<b>Administrative Contact:</b>	Allen Hillel, 206-543-5662, <a href="mailto:ahillel@uw.edu">ahillel@uw.edu</a>
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Otolaryngology, HSB BB1165, 206-543-5662
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

The rotation is designed to provide an introductory exposure to otolaryngology in both inpatient and outpatient settings. Directed exposure through daily contact with one attending provides a well rounded exposure to this field. No lodging or travel is prearranged or provided.

### **Goals and Objectives:**

- Develop an introductory knowledge in general otolaryngology.
- Develop an understanding of the directed history required in otolaryngology
- Develop an understanding and ability to perform a dedicated head and neck exam
- Develop an understanding of peri-operative issues in otolaryngology patients
- Develop an understanding of head and neck anatomy through observing/participating in operative and in-office procedures.

At the completion of this rotation, the student will be able to:

- Identify and describe the most common surgical problems unique to the relevant specialty (tonsillitis & peritonsillar abscess, sinusitis, sleep disorders, head & neck cancer, laryngeal & airway disorders, hoarseness, salivary gland disorders),
- Within the given specialty, students should be able to demonstrate the ability to perform a focused history and physical examination emphasizing ear, nose & sinus, oral cavity, oropharynx, larynx, neck,
- Identify conditions that warrant referral to the relevant specialty (head & neck infection, hoarseness, airway disorders, head & neck, cancer, sinusitis, sleep disorder, neck mass),
- In the operating room and/or clinic, students will be able to demonstrate and sharpen skills in basic surgical techniques such as knot-typing, suturing and limited dissection,
- List the use of appropriate imaging studies for that specialty,
- Demonstrate the ability to take a pertinent history directed at the otolaryngology patient,
- Demonstrate the ability to perform a basic head and neck examination with the goal of detecting abnormal anatomy,
- Demonstrate through presentation to faculty, the ability to develop a differential diagnosis for the patients they interview and examine,
- Be able to describe the initial medical treatments employed in acute and chronic sinusitis, tonsillitis, epistaxis, sudden sensorineural hearing loss, hoarseness and stridor,
- Demonstrate an understanding of how the otolaryngologist works with other professionals in facilitating and coordinating patient care.

### **Reading:**

General Otolaryngology Text of Choice or Otolaryngology Clerkship Syllabus.

### **Evaluation:**

By student, on <https://catalysttools.washington.edu/tools/webq3/?sid=7445&owner=peterp>

By faculty, on <https://catalysttools.washington.edu/webq/survey/peterp/59842>

# PATHOLOGY

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Number	Clerkship Title	Location	Credits
PATH 676	P- Diagnostic Pathology Clerkship Spokane	Spokane, WA	*, max. 24
PATH 677	P- Neuropathology Clerkship HMC	Seattle, WA	*, max. 24
PATH 678	P- Diagnostic Pathology Clerkship Medical Examiner's Office Alaska	Anchorage, AK	*, max. 24
PATH 680	P- Diagnostic Pathology Clerkship UWMC	Seattle, WA	*, max. 24
PATH 681	P- Diagnostic Pathology Clerkship HMC	Seattle, WA	*, max. 24
PATH 682	P- Diagnostic Pathology Clerkship Veteran's Administration Hospital	Seattle, WA	*, max. 24
PATH 683	P- Diagnostic Pathology Clerkship Medical Examiner's Office	Seattle, WA	*, max. 24
PATH 687	P- Diagnostic Pathology Clerkship Seattle Children's Hospital	Seattle, WA	*, max. 24
PATH 688	P- Diagnostic Pathology Clerkship Madigan <i>*Not offered 2014-2015</i>	Tacoma, WA	*, max. 24
PATH 697	P- Pathology Special Elective	Outside WWAMI	*, max. 24
PATH 699	P- WWAMI Pathology Special Elective	Inside WWAMI	*, max. 24

## PATHOLOGY Elective Clerkships

Department website: <http://www.pathology.washington.edu/academics/courses/mscourses/>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
PATH 678		PATH 677 680, 681, 682, 683, 687, & 688	PATH 676		PATH 697 & 699

### [PATH 676 P- Diagnostic Pathology Clerkship Spokane \(8, max 24\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	HuBio series (required).
<b>Compliance Requirement(s):</b>	Compliance paperwork; general orientation, acceptable use agreement, & health care passport.
<b>Total Enrollment:</b>	Please contact the department.
<b>Clerkship Coordinator</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Sacred Heart Medical Center
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Medical student participation in dissection and study of autopsy and surgical pathology cases at Sacred Heart Medical Center in Spokane.

### [PATH 677 P- Neuropathology Clerkship HMC \( \\*, max 16\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time.
<b>Prerequisite:</b>	HuBio series (required).
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact the department.
<b>Clerkship Coordinator</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

Participation in dissection and study of neuropathology cases. Student will work up cases under senior staff including dissection, microscopic examination and literature review. Attendance at neuropathology conferences and seminars is expected.

### [PATH 678 P- Diagnostic Pathology Clerkship Medical Examiner's Office, Alaska \(\\*, max 24\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	HuBio series (required).
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu

<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site(s):</b>	Anchorage, AK: Office of Alaska State Medical Examiner
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

Medical student participation in dissection and study of autopsy and surgical pathology cases. Cases worked up under senior staff, including dissection, microscopic examination, and literature review. Attendance at pathology conferences and seminars expected.

### **PATH 680 P- Diagnostic Pathology Clerkship UWMC ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	HuBio series (required). Med and Peds or Surg required clerkship.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation (a third position may occasionally be available. Please contact clerkship director for additional information and permission to enroll).
<b>Clerkship Coordinator</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: University of Washington Medical Center (UWMC)
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

#### **Goals and Objectives:**

- Students will be able to handle tissue specimens in a safe and responsible manner including:
  - Demonstrate universal precautions with handling patient specimens,
  - Interact respectfully with laboratory staff and being cognizant of workflow,
  - Know and perform proper specimen identification procedures,
  - Demonstrate clinical judgment in handling specimens and medical information.
- Engage in the entire process and workflow of tissue diagnosis, from accession to sign-out:
  - Demonstrate use of information technology throughout pathology processes,
  - Describe indications for intraoperative consultation (frozen section),
  - In conjunction with a resident and attending pathologist, examine a specimen in the frozen section room, select tissue for frozen section, and create a frozen section slide for histologic examination,
  - Prepare biopsy and surgical excisional samples for histologic examination,
  - Demonstrate knowledge of gross anatomy and microanatomy (histology),
  - Know the rationale for sampling of surgical specimens for histologic (and other forms of diagnostic) examination,
  - Utilize web and test based information to assist in grossing of specimens, generation of pathology reports, and diagnosis,
  - Demonstrate skill in microscope technique and examination of histologic material,
  - Prepare pathology reports for sign-out with attending pathologists,
  - Describe and clearly communicate histologic findings and clinical features of specific cases during sign-out with residents and the attending pathologist,
  - Describe the use of ancillary techniques (ie, immunohistochemistry, in-situ hybridization, fluorescent microscopy and electron microscopy) in pathologic diagnosis,
  - Demonstrate the importance of clinicopathologic correlation in diagnosis and case management.
- Perform an autopsy (with the assistance of Pathology Resident and Attending Pathologist), including:
  - Review of medical record,
  - Gross dissection,
  - Preparation of tissue for histology, microbiology and other analyses as required.
  - Review of histologic material,

- Presentation of all pertinent information to the attending pathologist for case sign-out.
- Completion of final autopsy report.
- Appreciate the importance of:
  - Value of concise and accurate presentation of diagnostic information in multidisciplinary and case management conferences,
  - Use of information technology in the management, storage and reporting of demographic and diagnostic data,
  - Ramifications of HIPAA privacy rules in the use of patient information in pathology practice.

### **Schedule:**

Students on rotation are expected to be active participants in the autopsy service and surgical pathology rotations. Schedules are variable, and depend on autopsy caseload and daily surgical pathology activities. Students will be given a course guide and conference schedule on the first day of the rotation.

### **Conferences:**

Students will be expected to attend the following teaching conferences:

1. Resident didactic sessions Tuesday 7:30 – 9:30 am (NE110K).
2. Autopsy Review Conference Wednesday 1:30-2:30 pm (BB250).
3. Brain Cutting Conference Thursday 12:00 – 1:30 pm (BB250).
4. All clinical autopsy conferences (schedule provided clerkship day 1).
5. Surgical Pathology “Blue Box” Friday 12:30-1:30 pm (unknown conference, NE110K).
6. Gynecology-Oncology Conference Friday 8:00-9:00 am (NE110K).
7. Participation in other department teaching and multidisciplinary conferences is strongly recommended (schedule provided clerkship day 1).

### **Readings/Text:**

*Robbins Pathologic Diagnosis of Disease*, 6<sup>th</sup> Edition.

Surgical Pathology Guidelines (on-line access information provided clerkship day 1).

Selected didactic material provided clerkship day 1.

Review of basic histology prior to clerkship day 1 is recommended.

### **Evaluation:**

1. By student (upon completion of the rotation).
2. By faculty (Evaluation of Student Performance in the Clinical Curriculum).

## **PATH 681 P- Diagnostic Pathology Clerkship Harborview ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Third- and fourth-year medical students. Permission from department
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Harborview Medical Center
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

Participation in dissection and study of autopsy and surgical pathology cases. Student will work up cases under senior staff including dissection, microscopic examination and literature review. Attendance at pathology conferences and seminars is expected.

## PATH 682 P- Diagnostic Pathology Clerkship Veteran's Administration Hospital (\* max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Third- and fourth-year students.
<b>Compliance Requirement(s):</b>	<b>Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Veterans' Affairs Medical Center
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

The Anatomic Pathology Service provides diagnostic care for patients who have a wide range of medical disorders. It uses various methods (e.g., gross observations, light microscopy, immunohistochemistry, and electron microscopy) to examine specimens removed from living and deceased patients, then integrates the results of examinations with the knowledge of patient problems and basic human biology to better understand disease processes. Students on this rotation are exposed to all facets of our diagnostic methods, and are expected, in conjunction with a staff pathologist, to take some responsibility for the conduct of several autopsy examinations, if available.

Each student will be expected to:

- Add to his/her general knowledge of human biology and understanding of basic disease processes,
- Use the light microscope for recognizing normal tissue structure, recognizing certain structural expressions of disease processes, and appreciating both the values and limitations of these diagnostic methods,
- Weigh and consider the significance of pertinent observations, then transpose the results into practical solutions for specific patient problems,
- Gain experience in preparing thoughtful, accurate, succinct, and timely reports. The rotation is meant to be a fun, as well as an educational, experience.

## PATH 683 P- Diagnostic Pathology Clerkship Medical Examiner Office (\*, max 24)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time.
<b>Prerequisite:</b>	For third- and fourth-year students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site:</b>	King County Medical Examiner's Office
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

The King County Medical Examiner's Office has the responsibility for the investigation and certification of all sudden and unexpected deaths and deaths due to injury which occur in King County. The office is located at Harborview Medical Center and includes four forensic pathologists, a fellow in forensic pathology, a forensic anthropologist, and a staff of trained medical investigators, autopsy and pathology assistants, and administrative support personnel.

The medical student clerk will be able to participate in the activities of the Office to the degree that his/her abilities and interest allow. This may include observation of autopsies, performance (in part or in full) of autopsies, observation of scene investigation, and accompanying the pathologists to court. The autopsy material comprises a broad spectrum of pathology, including natural diseases and injuries of all sorts. All activities will be carried on under close staff supervision. In addition, during the rotation the clerk will be expected to present an informal seminar of his/her own choosing on a topic related to forensic pathology.

**PATH 687 P-Diagnostic Pathology Clerkship Seattle Children's Hospital ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time
<b>Prerequisite:</b>	Fourth-year students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site:</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

The pediatric pathology clerkship at Seattle Children's Hospital is expressly intended for students seriously interested in a career in pediatrics, or pediatric pathology. Students have the opportunity to study a variety of pediatric diseases. Students may also use this time to initiate a clinical research project. There is ample time to attend departmental and hospital conferences.

**PATH 688 P- Diagnostic Pathology Clerkship, Madigan Army Medical Center ( \*, max 24) credits**

<b>Offered:</b>	<b>Not offered in 2014-2015</b>
<b>Prerequisite:</b>	Third- through fourth-year students. Permission from department.
<b>Compliance Requirement(s):</b>	Credentialing paperwork must be submitted 90 days prior to rotation start date.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site:</b>	Tacoma, WA: Madigan Army Medical Center
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

The clerkship is to provide an introduction to the practice of pathology in a general hospital. The standard rotation places the clerk with residents in surgical and possibly autopsy pathology. The clerk first observes and then takes part in the actual examination, description, dissection, and diagnosis of surgical tissues. If available during the clerkship, the clerk should complete at least one full autopsy under supervision. Full attendance at all academic conferences, slide conferences, clinical pathology conferences, and other departmental teaching conferences is expected. Clerks present surgical specimen findings, prepare for conferences, and will be called upon to give opinions and participate in all discussions. Reading and an inquisitive nature are required to maximize the value of the rotation. All of this is accomplished in a cordial atmosphere with hands-on guidance. Most clerks will spend 3-5 days on Clinical Pathology to provide exposure to other areas of Pathology, such as hematology, transfusion medicine, clinical chemistry and microbiology. The length of the rotation may be altered.

## PATH 697 P- Pathology Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Open to fourth year students. Permission from department <b>+ 2 month application process.</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

## PATH 699 P- WWAMI Pathology Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Permission from department <b>+ 2 month application process.</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Juliana Hinch, 206-616-9343, hinchj2@uw.edu
<b>Director:</b>	Jeffrey Virgin, 206-221-1384, jvirgin@uw.edu
<b>Clerkship Site(s):</b>	Various inside WWAMI
<b>Housing Available:</b>	Contact the Department of Pathology, HSB NE-110, 206-616-9343
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# PEDIATRICS

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Number	Clerkship Title	Location	Credits
PEDS 611	P- Country Doctor Free Teen Clinic	Seattle, WA	*, max. 24
PEDS 620	P- Pediatric Sub-Specialty Clinic Billings	Billings, MT	4/8
PEDS 622	P- Pediatric Child Abuse and Neglect Boise	Boise, ID	4/8, max. 24
PEDS 623	P- Pediatric Child Abuse and Neglect Spokane	Spokane, WA	4/8, max. 24
PEDS 624	P- Pediatric Emergency Medicine Spokane	Spokane, WA	8
PEDS 625	P- Pediatric Emergency Medicine	Seattle, WA	8
PEDS 635	P-Pediatric Cardiology Boise	Boise, ID	*, max. 24
PEDS 636	P-Pediatric Cardiology Spokane	Spokane, WA	*, max. 24
PEDS 637	P-Pediatric Cardiology Anchorage	Anchorage, AK	*, max. 24
PEDS 640	P- Pediatric Gastroenterology Boise	Boise, ID	4/8, max. 24
PEDS 669	P- Neonatal Pediatric Clerkship	Seattle, WA	*, max. 24
PEDS 670	P- Pediatric Infectious Disease	Seattle, WA	*, max. 24
PEDS 671	P- Pediatric Endocrinology	Seattle, WA	*, max. 24
PEDS 672	P- Office Practice Spokane	Spokane, WA	*, max. 12
PEDS 673	P- Office Practice	Seattle, WA	*, max. 12
PEDS 674	P- Pediatric Genetics Spokane	Spokane, WA	*, max. 24
<b>PEDS 675</b>	P- Clinical Elective in Complementary and Alternative Medicine		4/8, max. 8
PEDS 677	P- Pediatric Intensive Care	Seattle, WA	8
PEDS 678	P- Pediatric Infectious Diseases Boise	Boise, ID	*, max. 24
PEDS 679	P- Clinical Problems in Developmental Disabilities	Seattle, WA	*, max. 24
PEDS 681	P- Pediatric Genetics	Seattle, WA	*, max. 24
PEDS 683	P- Pediatric Nephrology	Seattle, WA	8
PEDS 684	P- Pediatric Pulmonary Medicine	Seattle, WA	8
PEDS 685	P- Pediatric Hematology & Oncology	Seattle, WA	*, max. 24
PEDS 686	P- Pediatric Cardiology	Seattle, WA	*, max. 24
PEDS 689	P- Advanced Pediatric Subinternship Ft Washakie WY	Ft Washakie, WY	8
PEDS 690	P- Advanced Pediatric Clerkship Boise	Boise, ID	*, max. 24
PEDS 691	P- Advanced Pediatric Clerkship Seattle	Seattle, WA	*, max. 24
PEDS 692	P- Advanced Pediatric Clerkship Spokane	Spokane, WA	*, max. 24
PEDS 693	P- Advanced Pediatric Subinternship Mary Bridge	Tacoma, WA	*, max. 24
PEDS 694	P – Pediatric Adolescent Medicine	*various	*, max. 24
PEDS 697	P- Pediatric Special Electives	Outside WWAMI	*, max. 24
PEDS 699	P- WWAMI Pediatrics Special Elective	Inside WWAMI	*, max. 24

## PEDIATRICS Elective Clerkships

Department website: <http://depts.washington.edu/peds/students/>

Courses Offered in:						
Alaska	Idaho	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
PEDS 637	PEDS 622, 640, 678 & 690	PEDS 620	PEDS 611, 625, 669, 670, 671, 673, 675, 677, 679, 681, 683, 684, 685, 686, 691, 693, & 694	PEDS 623, 624, 636, 672, 674, 682	PEDS 689	PEDS 697 & 699

### PEDS 611 P- Country Doctor FreeTeen Clinic ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 1 night per week for 6 weeks part-time.
<b>Prerequisite:</b>	Third- and fourth-year medical students who have completed a clerkship in Medicine or Pediatrics. Please do not sign up for more than two 6-week slots.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Country Doctor Community Clinic
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

Students attend one night per week at a free clinic for adolescents and young adults at the Country Doctor Community Clinic site. The patients seen generally have histories of inadequate health care; many are homeless or street involved. A variety of interesting medical problems are seen.

#### **Goals and Objectives:**

- Learn about health concerns of homeless youth
- Learn about the impact of a homeless lifestyle on general health

After completion of this elective the student will be able to:

- Identify barriers to care for adolescent patients,
- Perform general physical examinations on homeless youths,
- Provide problem-focused care for homeless youths,
- Demonstrate clinical case presentation skills appropriate for this population.

**Schedule:** Monday or Tuesday evenings 6pm-10pm

**Conferences:** informal, during clinic hours, if time permits

**Presentations:** informal, during clinic hours, if time permits

### PEDS 620 P- Pediatric Sub-Specialty Clinic Billings (4/8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Third year standing. Peds core clerkship completed.

	Permission from department required.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Billings, MT: Billings Clinic
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**[PEDS 622 P- Pediatric Child Abuse and Neglect Boise \(4/8, max 24\) credits](#)**  
**[PEDS 623 P- Pediatric Child Abuse and Neglect Spokane \(4/8, max 24\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Pediatrics, Internal Med, and Surgery core clerkships. Permission from department required.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Boise, ID: Cares Clinic Spokane, WA: Partners with Families and Children
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Exposes future clinicians to the most common issues relating to child abuse and neglect.

**[PEDS 624 P- Pediatric Emergency Medicine Spokane \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds required core clerkships. Fourth- year medical students. Permission from department required.
<b>Compliance Requirement(s):</b>	General orientation, acceptable use agreement, and health care passport.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Sacred Heart Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Students manage patients with the supervision of a Pediatric Emergency Medicine attending or fellow. Includes the opportunity to manage patients with a wide spectrum of disease processes as well as learn key emergency medicine procedural skills.

**[PEDS 625 P- Pediatric Emergency Medicine \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds, Im, Obgyn & Surg Required Clerkships. Fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.

<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Gain a better understanding of the types of problems seen in a Pediatric Emergency Department and of the increased complexity when dealing with family units (parents in decision making role for their children) rather than just individual patients,
- Learn how to work as part of a team in the care of ill patients and to provide efficient and excellent care to children in the busy ED setting.
- At the end of this rotation students will be able to perform a number of procedures that may include: laceration repair, I and D, splinting and reduction of nursemaids elbow (opportunities to do such procedures depend on what patients come into the ED while they are working).
- At the end of this rotation students will have increased confidence in their ability to care for ill and injured children.
- At the end of this rotation students will have a greater understanding of the role of communication (with families and staff) in the successful care of patients in the emergency setting.

**Schedule:**

15 to 18 8-hour ED shifts

**Presentations:**

One morning presentation on an assigned emergency topic

**Readings/texts:**

Reading will be case based.

Suggested texts:

Pediatric Emergency Medicine: A comprehensive study guide by Strange, Ahrens, Lelyveld, Schafermeyer

Pediatric Emergency Medicine by Fleisher, Ludwig

**Evaluation:**

By faculty, on clinical performance using standard UWSOM evaluation form. Feedback will also be given at the end of each shift.

**[PEDS 635 P- Pediatric Cardiology Boise \(\\*, max 24\) credits](#)**

**[PEDS 636 P- Pediatric Cardiology Spokane \(\\*, max 24\) credits](#)**

**[PEDS 637 P- Pediatric Cardiology Anchorage \(\\*, max 24\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Peds required clerkships. Permission from department required.
<b>Compliance Requirement(s):</b>	Spokane: General orientation, acceptable use agreement, health care passport, and letters of good standing.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Boise, ID: St. Luke's Children's Hospital Spokane, WA: Northwest Center Congenital Heart Disease Anchorage, AK: Alaska Children's Heart Center
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Elective rotation with an emphasis on physical diagnosis, electrocardiography, clinical knowledge of diagnostic techniques and surgical possibilities for inpatients and outpatients with cardiovascular problems. Opportunity to observe catheterizations and cardiovascular operations.

### **PEDS 640 P- Pediatric Gastroenterology Boise (4/8, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Pediatrics, Internal Medicine and Surgery core clerkships. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Boise, ID: St. Luke's Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Elective rotation where students see clinical pediatric gastrointestinal problems, participate in inpatient gastroenterology consultations, outpatient clinic evaluations for new and follow-up patients, and (observe) endoscopic and therapeutic gastrointestinal procedures.

### **PEDS 669 P- Neonatal Pediatric Clerkship ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time 2 weeks (for students desiring further neonatal intensive care exposure). 4 weeks (recommended for students interested in Pediatrics as a career).
<b>Prerequisite:</b>	PEDS, MED & OB GYN required clerkships. Open to fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Administrative Contact:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

#### **Goals and Objectives:**

- To obtain a broad understanding of medical problems experienced by infants during the first month of life,
- Acquire an understanding of, and appreciation for, prenatal care of high-risk patients,
- Learn generally applicable principles in the NICU setting:
  - Physiology
  - Ethics
  - Reading, critiquing, and applying the medical literature

After completion of this elective the student will be able to:

- Demonstrate the knowledge and skills necessary for neonatal resuscitation including transitional physiology;
- Obtain an accurate history of pregnancy and perinatal events relevant to the newborn;
- Articulate the unique aspects of the physical examination of the premature and newly born full term infant;

- Perform a gestational age determination and complete physical examination on term and preterm infants;
- Outline the assessment and management of LGA and SGA infants;
- Describe the broad medical, social, and economic consequences of prematurity, including factors related to, or influencing, its incidence and the incidence of disorders unique to premature infants;
- Describe the pathophysiology, diagnostic approach, and management principles for common diseases that occur during the neonatal period such as respiratory distress, sepsis, apnea, infections, metabolic derangements, and jaundice;
- Explain the effects of birth weight and gestational age on infant morbidity and mortality;
- Recognize the clinical presentation of emergencies occurring in the newborn period and gain exposure to the skills necessary to provide appropriate management of these emergencies including respiratory distress with/without cyanosis, shock, hemorrhage, and seizures;
- Recognize frequent birth defects and outline their clinical management.

**Schedule:**

Inpatient Rounds: Daily starting at 8 AM in the NICU. During rounds, students will present their assigned patients including management plans.

Call: Students have the option to take night call every fourth night paired with an Intern/Resident.

Patient Care: Students will assess their patients, prepare management plans, and write orders in conjunction with a Pediatric Resident. Students attend high-risk deliveries in conjunction with a Pediatric Resident, Neonatal Fellow or Neonatal Attending. A student under the direct supervision of a Pediatric Resident can perform procedures necessary for patient care. Students can participate in Prenatal/Antenatal consultations with an Attending Neonatologist.

**Conferences:**

Prenatal Genetics Conferences on Fridays at 11 AM (room TBA); Perinatal Pathology Conference once monthly at noon (room TBA); Ob/Peds Case Discussions on Thursdays at noon; NICU Ethics Discussion on the 4<sup>th</sup> Wednesday at noon.

**Presentations:**

Presentations: Students are expected to present a 20-30-minute discussion of a clinical issue of their choice relating to a current case on the service. The discussion should include information derived from relevant current medical literature.

**Reading:**

Multiple texts and teaching files are available for use in the Resident room in the NICU.

Suggested readings:

Neonatal Resuscitation:

Neonatal Resuscitation Program (AAP/AHA) 4<sup>th</sup> Edition

General Neonatal Texts:

Avery, Fletcher and MacDonald – Neonatology, recent edition

Fanaroff and Martin – Neonatal Perinatal Medicine, recent edition

Tausch, Ballard and Gleason – Avery’s Diseases of the Newborn, recent edition

**Evaluation:**

By Faculty: The majority of the evaluation will be on clinical performance with feedback elicited from Neonatal attending with input from the Fellows and Pediatric Residents on-service in the NICU who are familiar with the student.

**PEDS 670 P- Pediatric Infectious Disease ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	PEDS, MED & OB GYN required clerkships. Third- & fourth-year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.

<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- To understand the diagnostic work up and treatment of infectious disease syndromes in children,
- To understand the rationale for antibiotic choice in treatment of pediatric infectious diseases,
- To apply concepts of microbiology and virology to clinical problems,
- To become familiar with the available reference sources pertinent to infectious disease problems,
- To understand the role of a consultant in the management of pediatric patients.

After completion of this elective the student will be able to:

- Demonstrate a working knowledge of antimicrobial pharmacology and mechanisms of antimicrobial resistance,
- Gather information and conduct a patient interview in a manner appropriate to generate a consultation,
- Interpret the results of microbial cultures (both viral and bacterial) and antimicrobial susceptibilities,
- Outline the pathogenesis, diagnosis and treatment of all patients seen in consultation during the rotation.

**Schedule:**

*Consultations:* Students should perform at least 2-3 new consults each week. A complete work up should include a full history and physical exam, review of pertinent x-rays and lab data, formulation of a differential diagnosis and recommendations as to further workup and treatment. Directed reading of pertinent literature should be done prior to attending rounds if time permits. The student should see the patient she/he follows daily and write follow-up notes when further input from the service is appropriate.

*Inpatient Rounds:* Monday through Friday. Meet at the 8th floor fellows' office at 8:30 am unless otherwise arranged. Attending rounds occur daily at 11:00 am unless otherwise arranged. During attending rounds, fellows, residents and students present new consults and review the management of patients on the service.

*ID clinic:* Fridays 7:45 am-12:00 pm; 6H clinic with Drs. Burns, Smith, Cassis-Ghavami, Urdahl, Lingappa and Kathey Mohan, ARNP. The usual number of patients scheduled is between 6 and 14 with the expectation that no more than 5 new patients will be seen in a morning. Students should see new patients with a wide variety of problems and provide continuity of care for those patients they cared for on the inpatient consultation service. The student will initially see the patients then discuss the patient case with the clinic attending. A treatment plan will then be devised and discussed with the patient after the attending has interviewed and examined the patient. All patients are to have a clinic note written. Each student typically sees two patients/clinic.

*Virology Rounds:* Tuesdays at 11:00 am, 8th floor virology lab; the student will be introduced to common tests performed in the clinical virology lab.

*Microbiology Rounds:* Thursdays at 11:00 am, 6th floor microbiology lab; the student will review interesting cases and common techniques used in the clinical microbiology lab.

*Infection Control Rounds:* 1<sup>st</sup> Thursday of each month, 8th floor Fellows' office. The ID team reviews current hospital epidemiology, infection control policies and outbreak investigations.

**Conferences:**

ID Clinical Conference: 2nd and 4th Wednesdays at SEATTLE CHILDREN'S HOSPITAL on selected pertinent cases from the inpatient service. Students will be expected to present a case with discussion at one of these conferences (see below).

ID Research Conference: 1<sup>st</sup> and 3<sup>rd</sup> Wednesday at SEATTLE CHILDREN'S HOSPITAL (optional)  
Harborview ID conference: Wednesdays at 4:30-5:30 pm at Harborview Hall.

### **Reading:**

Evidence based decision-making is strongly encouraged during the rotation. In depth review of primary studies of clinical problems is encouraged. Multiple textbooks are available for use in the ID fellows' office as are teaching files. At a minimum, the student should be familiar with:

1. Feigin and Cherry, *Pediatric Infectious Diseases*, Saunders, latest edition.
2. AAP Redbook (latest edition).
3. Remington and Klein, *Infectious Diseases of the Fetus & Newborn Infant*, Saunders, latest edition.

There is also a medical student-reading list with review articles/presentations of common pediatric ID problems.

Recommended Text: A Clinical Guide to Pediatric Infectious Disease by D. Janner. (There is a copy available for students to borrow while on rotation)

### **Presentations:**

During the rotation, each student will give a short clinical presentation as outlined below. The talk will be during the final clinical conference of the student's rotation. The Pediatric ID fellows and faculty attend this conference. A list of possible topics is available in the ID office. The talk should be 10-15 minutes and include a current review of the literature. Optimal topics would be related to a current case on the service. Handouts summarizing the topic are expected but overheads are optional. The student should decide on a topic for the conference by mid-rotation and request appropriate faculty or fellow input. Faculty guidance can be from the on-service attending or from a list of attendings with special interest in the topic. The on-service ID attending will give oral feedback to the student following the presentation about content and presentation.

### **Evaluation:**

1. By student. The Student will receive a packet with evaluation forms for the clerkship, faculty and fellow teaching. This is to be turned in using the sealed envelope at the end of the rotation. The faculty coordinator will review the contents once the student's final grade is submitted.
2. By Faculty, the majority of the evaluation will be from clinical performance and elicited from attending physicians and fellows. Approximately 10% of the final grade for the elective will be derived from the clinical conference talk.

## **PEDS 671 P- Pediatric Endocrinology ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 week full-time.
<b>Prerequisite:</b>	PEDS required clerkship, third- and fourth-year medical students
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Administrative Contact:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle's Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

- To understand the normal progression of hormone mediated processes in children, in relationship to the health management of patients in a pediatrician's practice.
- To recognize abnormalities in these processes, which would warrant a referral to an endocrinologist, and to understand basic management of these disorders. Specifically, these processes include:
  - Pituitary, adrenal, thyroid, and gonadal function
  - Growth
  - Sexual differentiation

- Puberty
- Diabetes mellitus – type I and type II
- Syndromes associated with endocrine dysfunction such as Turner syndrome, Prader-Willi, DiGeorge syndrome, etc.
- Metabolic bone disease
- Describe normal pituitary function in infants, children and adolescents. Discuss the approaches used to diagnose and manage pituitary dysfunction including isolated growth hormone deficiency, hypopituitarism, and diabetes insipidus.
- Review the patterns of normal growth velocity in infants, children and adolescents, and the factors that can impact growth, both endocrine and non-endocrine.
- Review normal fetal sexual differentiation and the approach to diagnosis and management of ambiguous genitalia.
- Compare the normal progression and timing of puberty, and disorders of pubertal development such as precocious puberty, delayed puberty and gonadal dysfunction. This includes the ability to differentiate between adrenarche and central puberty.
- Discuss the diagnosis and management of adrenal disorders such as congenital adrenal hyperplasia, Cushing's syndrome and Addison's disease.
- Describe the function of thyroid hormone, its effects on growth, and the diagnosis and treatment of hypo and hyperthyroidism.
- Identify the etiologies of type I and type II diabetes, their management, and the acute management of ketoacidosis. Also identify the psychosocial aspects of diabetes and the team approach employed to deal with them.
- List the factors responsible for calcium metabolism and describe the treatment of hyper and hypocalcemia.
- Describe the etiology and presentation of lipid disorders and their management.

**Schedule:**

Most of the student's time will be spent in diabetes and endocrine clinics, Monday through Friday, 8:00 to 5:00. Participation in inpatient rounds and consults will be at the discretion of the attending. There are no night-time or week-end responsibilities.

**Conferences:**

Tuesday afternoons, 3:30 to 4:00, case presentations. Third Thursday of each month, "Endorama", which consists of journal club, an invited speaker, and lunch.

**Presentations:**

Medical students doing a 4-week rotation will give a short presentation (approximately 15 minutes) on a topic of their choice, usually centering on an interesting patient.

**Reading:**

On file in the endocrine clinic conference room is a notebook filled with recent relevant articles. We recommend two reference textbooks:

Pediatric Endocrinology, Edited by Mark A. Sperling  
 Pediatric Endocrinology, Edited by Fima Lifshitz

Both of these are available in the Endocrine Division office.

**Evaluation:**

By Faculty using standard UW evaluation form.

**PEDS 672 P- Office Practice Spokane ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time
<b>Prerequisite:</b>	PEDS required clerkship. Third- and fourth-year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	Confidentiality & security agreement, clinical training agreement & application for clinical training, and privacy & security training & test.
<b>Total Enrollment:</b>	1 student per rotation

<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, Carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Group Health Riverfront Medical Center
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Obtain an overview of outpatient, urban pediatric practice.
- Develop an increased understanding of common pediatric illnesses and problems.

After completion of this elective the student will be able to:

- Perform a focused history and physical on an outpatient pediatric patient,
- Outline the diagnostic and therapeutic approach to common pediatric problems,
- Relate a family centered approach to well child care and anticipatory guidance,
- Describe a pediatrician's daily routine and approach to outpatient care.

**Schedule:**

As determined by individual preceptor. Depends upon availability

**Evaluation:**

By Faculty, on clinical performance using standard UW student evaluation form.

**PEDS 673 P- Office Practice (\*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Peds required clerkship. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	By Permission only
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Administrative Contact:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Community Practices
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Obtain an overview of outpatient, urban pediatric practice.
- Develop an increased understanding of common pediatric illnesses and problems.

After completion of this elective the student will be able to:

- Perform a focused history and physical on an outpatient pediatric patient,
- Outline the diagnostic and therapeutic approach to common pediatric problems,
- Relate a family centered approach to well child care and anticipatory guidance,
- Describe a pediatrician's daily routine and approach to outpatient care.

**Schedule:**

As determined by individual preceptor. Depends upon availability

**Reading:**

General Pediatric textbook.

**Evaluation:**

By Faculty, on clinical performance using standard UW student evaluation form.

## PEDS 674 P- Pediatric Genetics Spokane ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4-weeks full-time.
<b>Prerequisite:</b>	Peds required clerkship. Third- and fourth-year medical students. Letters of good standing required.
<b>Compliance Requirement(s):</b>	General Orientation, Acceptable Use Agreement, and Health Care Passport.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, <a href="mailto:Carla.salldin@seattlechildrens.org">Carla.salldin@seattlechildrens.org</a>
<b>Administrative Contact:</b>	Director: Curt Bennett, 206-685-1350, <a href="mailto:fbennett@uw.edu">fbennett@uw.edu</a>
<b>Clerkship Site(s):</b>	Spokane, WA: Inland Northwest Genetics
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

### Goals and Objectives:

After completion of this elective the student will be able to:

- Demonstrate a systematic approach to the evaluation of a patient with a known or suspected genetic disorder;
- Perform a physical examination with emphasis on identifying and describing congenital anomalies;
- Outline the natural history, etiology, inheritance pattern and management of several of the more common disorders seen in genetics clinic, such as Down syndrome, Turner syndrome, Marfan syndrome, neurofibromatosis type I, and common inborn errors of metabolism, such as phenylketonuria and maple syrup urine disease;
  - Construct and analyze a four-generation pedigree.
- Describe the approach to genetic counseling for autosomal dominant, autosomal recessive;
- X-linked, and chromosomal conditions;
- Use medical resources for the diagnosis and management of genetic disorders;
- Describe the resources available in the community for patients and families with genetic disorders, including support groups and intervention programs;
- Describe the newborn screening and follow-up process, including which disorders are screened for in Washington State.

## PEDS 675 P- Clinical Elective in Complementary & Alternative Medicine (4/8, max 8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Peds, Med, Ob Gyn required clerkship. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, <a href="mailto:sara.griffin@seattlechildrens.org">sara.griffin@seattlechildrens.org</a>
<b>Director:</b>	Curt Bennett, 206-685-1350, <a href="mailto:fbennett@uw.edu">fbennett@uw.edu</a>
<b>Clerkship Site(s):</b>	Various
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Clinical elective for students interested in a better understanding of CAM. Includes four different weekly clinical placements with selected CAM providers in the community: naturopathic physician, chiropractor, acupuncturist, and massage therapist. Also includes a weekly two-hour seminar discussing the evidence supporting the use of alternative treatments.

### **PEDS 677 P- Pediatric Intensive Care (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds, Med, Ob Gyn required clerkship. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Students manage patients with the supervision of the Pediatric Critical Care attending or fellow at Seattle Children's Hospital. Includes the opportunity to manage patients with complex multisystem disease and learn key elements of acute resuscitation in the intensive-care setting.

### **PEDS 678 P- Pediatric Infectious Diseases Boise ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds required clerkship. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Boise, ID: Pediatrics and Infectious Diseases
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Students see and work up clinic consultations and present in detail to attending physician. Daily rounds include problem-solving discussions and didactic presentations in broad category of infectious diseases. Opportunity for experience in clinical research and laboratory techniques.

### **PEDS 679 P-Clinical Problems in Developmental Disabilities ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time. 2 weeks (for students interested in additional exposure to children with developmental disabilities). 4 weeks (for students pursuing a career in pediatrics).
<b>Prerequisite:</b>	PEDS, MED & OB GYN required clerkships. Fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

#### **Goals and Objectives:**

- Understand the broad spectrum of childhood developmental and behavioral disabilities,
- Gain skills in the screening, differential diagnosis, assessment and community management of developmental and behavioral disabilities.

After completion of this elective the student will be able to:

- Evaluate a variety of developmental and behavioral problems in an inter-disciplinary clinic setting,
- Outline the approach to community management of developmental and behavioral problems in a local early intervention program,
- Build a framework for “Medical Home” management for children with developmental and behavioral problems and their families.

**Schedule:**

Daily clinics in a variety of locations: CHDD, Seattle Children’s Hospital, Boyer Children Clinic, Seattle Children’s Home.

Clinics may include: child development clinic, high risk infant follow-up clinic, neurodevelopmental clinic, autism center, birth defects clinic, plagiocephaly clinic, special pediatric dentistry clinic, genetics, ADHD clinic, and fetal alcohol syndrome clinic. Students also participate in lecture and discussion series.

**Reading:**

*Developmental-Behavioral Pediatrics*, Third Ed. Levine, Carey, Crocker (eds).

Multiple readings, CD-ROM tutorials, educational videos and online learning modules on the rotation website at <http://depts.washington.edu/dbpeds>

**Evaluation:**

By Faculty on student clinical performance using standard UWSOM evaluation form, available through the rotation website to participating faculty at <http://depts.washington.edu/dbpeds>.

**PEDS 681 P- Pediatric Genetics ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time. 2 weeks (for students interested in additional exposure to genetic diseases). 4 weeks (for students pursuing a career in pediatrics or genetics).
<b>Prerequisite:</b>	Peds required clerkship (Pediatrics 665P). Third- and fourth-year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Administrative Contact:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children’s Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

After completion of this elective the student will be able to:

- Demonstrate a systematic approach to the evaluation of a patient with a known or suspected genetic disorder;
- Perform a physical examination with emphasis on identifying and describing congenital anomalies;
- Outline the natural history, etiology, inheritance pattern and management of several of the more common disorders seen in genetics clinic, such as Down syndrome, Turner syndrome, Marfan syndrome, neurofibromatosis type I, and common inborn errors of metabolism, such as phenylketonuria and maple syrup urine disease;
  - Construct and analyze a four-generation pedigree.
- Describe the approach to genetic counseling for autosomal dominant, autosomal recessive;
- X-linked, and chromosomal conditions;
- Use medical resources for the diagnosis and management of genetic disorders;

- Describe the resources available in the community for patients and families with genetic disorders, including support groups and intervention programs;
- Describe the newborn screening and follow-up process, including which disorders are screened for in Washington State.

**Schedule:**

**Clinics - Required:**

Trainees should check with the contact person the week before each clinic to obtain a list of patients and diagnoses in order to direct their reading. Residents will be assigned at least one patient in the Medical Genetics Clinic at Seattle Children's Hospital and will be expected to review the chart, take a history, perform a physical exam, discuss the case with the attending and dictate a clinic note. Medical students will observe but should read about the various diagnoses prior to clinic.

\*Meet with a coordinator on the first day of elective to schedule for specific Tuesday clinics.

Genetics Clinic	Seattle Children's Hospital - Whale 7 Clinics, Every Tuesday 9:00 am
Contact persons:	Linda Ramsdell, MS, 987-2663 Darci Sternes, MS, 987-2664
Genetics Clinic	UWMC CHDD – CD246, Every Tuesday 8:00 am
Contact persons:	Robin Bennett, MS and Debbie Olson 616-2135
Genetics Clinic	UWMC – 8SE, Every Thursday 8:00 am
Contact persons:	Robin Bennett, MS and Debbie Olson 616-2135
Biochemical Genetics	UWMC CHDD – CD246, Every Thursday 12:00 pm
Clinic Contact person:	Lisa Sniderman King MSc (except PKU Clinic days) 616-1840
<b>Clinics – Optional:</b>	
Skeletal Dysplasia	Seattle Children's Hospital– Orthopedics 7P, Four Mondays a year, 9:00 am
Contact person:	Michael Raff, MD & Ian Glass, MD
Biochemical Genetics	Seattle Children's Hospital – Whale 7 clinics, 2nd Wednesday, 12:30 pm
Contact person:	Michael Raff, MD
PKU Clinic	UWMC CHDD – CD246 3 <sup>rd</sup> Wed and following Thur. 9:00 am
Contact person:	Lisa Sniderman King, MSc, 616-1840
Cardiogenetics	SEATTLE CHILDREN'S HOSPITAL – Cardiology 4G 3 <sup>rd</sup> Wednesday 9:00 am
Contact person:	Ian Glass, MD & Mark Hannibal, MD PhD
Craniofacial Genetics	SEATTLE CHILDREN'S HOSPITAL – Whale 7 2 <sup>nd</sup> Thursday, 9:00 am
Contact person:	Anne Hing, MD

**Conferences:**

**Conferences - Required:**

Clinic Conference	Every Tuesday, 5:00 pm (immediately following clinic) SEATTLE CHILDREN'S HOSPITAL – P 735 conference room
Case Conference	Second Tuesday of each month, 5:00 – 6:30 pm SEATTLE CHILDREN'S HOSPITAL – Room TBA monthly
Medical Genetics Journal	Every Wednesday, 8:30 – 9:30 am

Club	UWMC HSB – K250
Case Conference	Every Wednesday, 9:30 am UWMC – K250
Inborn Errors of Metabolism Conference	1 <sup>st</sup> Wednesday of each month, 4:15 pm CMRMC – Lab Conference Room, 6 <sup>th</sup> Floor Pavilion
Biochemical Genetics Clinic Conference	Every Thursday, 12:00 pm (prior to clinic) UWMC CHDD CD 246
Medical Genetics Seminar	Every Friday, 12:30 – 1:30 pm UWMC (usually K069)
<b>Conferences - Optional</b>	
Gender Assessment Team	2 <sup>nd</sup> Wednesday of every other month, 9:00 – 10:15 am SEATTLE CHILDREN'S HOSPITAL – Room TBA Contact person: Linda Ramsdell, MS 987-2663
Pediatric Grand Rounds	Every Thursday, 8:00 am SEATTLE CHILDREN'S HOSPITAL – Wright Auditorium
Perinatal Pathology & Prenatal Diagnosis Conference	Every Friday, 11:00 am UWMC – 2 <sup>nd</sup> Floor, Ultrasound RR 202 (also teleconferenced to T3252)

### **Presentations:**

Trainees will be expected to study in more depth a topic of his/her choice and present this information in the form of an oral presentation to the Division members at the end of the rotation. The topic and time of the presentation should be discussed with Dr. Raff during the first week of the rotation. Handouts with bibliography are encouraged. Supplies (overhead transparencies, photocopying) are available through the SEATTLE CHILDREN'S HOSPITAL Genetics office.

### **Reading:**

**Required:** Residents/students should review the video "A Nursing Assessment of Children for Detection of Genetic Disorders and Birth Defects", which is a succinct review of the evaluation of the child with anomalies. The video can be obtained from the genetic counselors at SEATTLE CHILDREN'S HOSPITAL or UW and can be viewed in the library at SEATTLE CHILDREN'S HOSPITAL.

Two additional informative videos available at SEATTLE CHILDREN'S HOSPITAL include "Diagnostic Approach to the Dysmorphic Patient" and "Malformation Syndromes".

Baker DL, Schuette JL, Uhlmann WR: A Guide to Genetic Counseling. New York: Wiley-Liss.

Trainees should also review the Rotator Notebook, available at SEATTLE CHILDREN'S HOSPITAL, which includes "The Genetic Family History in Primary Care" and other pertinent review articles.

### **Evaluation:**

Students will be evaluated based on overall performance using the standard UWSOM clinical evaluation form

## **PEDS 683 P- Pediatric Nephrology (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds, Med and Ob Gyn required clerkships. Third- and fourth-year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	2 students per rotation.

<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- To understand routine fluid and electrolyte requirements of patients in all pediatric age groups;
- To understand the diagnostic evaluation and management of common pediatric renal diseases, fluid and electrolyte disorders, and hypertension;
- To develop familiarity with pediatric dialysis and pediatric renal transplantation;
- To identify appropriate patients for pediatric nephrology referral.

After completion of this elective the student will be able to:

- Order appropriate fluids and electrolytes for pediatric patients in a variety of clinical settings,
- Assess the volume status of pediatric patients,
- Construct a diagnostic and therapeutic plan for a child with electrolyte abnormalities,
- Prepare and interpret a routine urinalysis and evaluate common abnormalities,
- Discuss the diagnostic evaluation and management of:
  - hematuria.
  - proteinuria.
  - hypertension.
  - urinary tract infections.
- Discuss the differential diagnosis and pathophysiology of:
  - glomerulonephritis.
  - nephrotic syndrome.
  - acute renal failure.
- Summarize:
  - the multi-organ pathophysiology of chronic renal failure.
  - how peritoneal dialysis and hemodialysis are used in patient with renal disease

**Schedule:**

Inpatient Rounds:

Inpatient rounds Monday - Friday; coordinate meeting time with inpatient fellow and attending

Renal Clinic:

Monday, Tuesday, 1:00 – 5:00 pm; Wednesday, Thursday, 9:00 am -1:00 pm  
Meet in Whale 6 clinic

Expectations for Students:

*Inpatient Wards:*

Students will be assigned patients on the inpatient service. Students will evaluate new patients and present relevant data to attendings for discussion of treatment plans. Students will write a complete H&P for patients they have evaluated. Students will be expected to round on all patients they are following, present the case during rounds and write daily progress notes. Students will also be encouraged to research specific topics related to their patients.

*Clinic:*

Students will see patients with a resident, attending or fellow. Students may be assigned primary responsibility for outpatient assessment.

**Conferences:**

First Wednesday of the month 12:00 -1:00 pm: Pathology Conference  
Remaining Wednesdays 4:00pm: Nephrology Lecture/Nephrology Seminar  
Wednesday 1:00-2:00 pm: Clinic Review/Division Conference  
Friday 8:00-10:00 am: Joint Adult/Pediatric Conference at NWKC

**Reading:**

Pediatric nephrology references are available in the office as well as in the Seattle Children's Hospital library.

*Teaching Cases:* Students will receive a packet of clinical cases, with questions, describing common renal problems seen in pediatric patients. Students will work to answer the questions and will review the packet of cases with an attending prior to the end of the elective.

**Evaluation:**

1. By student, based on assessment of particular aspects of course curriculum and Faculty, via anonymous questionnaire distributed within Nephrology during the last week of the course.
2. By Faculty and fellows, based on overall assessment of clinical and academic performance using the standard UWSOM form.

**PEDS 684 P- Pediatric Pulmonary Medicine (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Enrollment:</b>	1 student per rotation.
<b>Prerequisite:</b>	Peds, Med, Ob Gyn Required Clerkship. Fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- To become familiar with the clinical presentations, diagnoses, and management strategies for common respiratory disorders in children,
- To recognize abnormal physical findings and understand the pathophysiologic significance of these abnormal signs,
- To understand the compartments of the respiratory system and how to identify abnormalities in each compartment that can lead to respiratory failure,
- To understand the role of the pediatric specialty consultant in clinical practice,
- To understand the role of a multi-disciplinary team in management of severe chronic pulmonary disease,
- To understand the range of clinical problems producing abnormal sleep in children, including pulmonary etiologies.

After completion of this elective the student will be able to:

- Recognize abnormal physical examination findings and relate how these reflect pathophysiologic processes;
- Summarize the compartments of the respiratory system and explain how abnormalities in each compartment present clinically and how they can lead to respiratory failure;
- List common clinical respiratory problems referred for outpatient evaluation by pediatric pulmonary specialists and summarize the general approaches to evaluation of these complaints;
- Interpret commonly encountered abnormalities of blood gas analysis, chest imaging, and pulmonary function testing in children;
- Explain the indications, side effects, and pharmacology of commonly used treatments of pediatric respiratory diseases;
- Describe the impact of chronic disease on a child, family, and community;
- Describe the common causes and consequences of abnormal sleep in children, from infancy to adolescence;
- Understand the modalities used by respiratory therapists to improve lung function in children

**Schedule:**

Monday	12:00 - 1:00 pm	Resident Noon Conference
	1:00 - 4:00 pm	Pulmonary Consultations
Tuesday	8:30 am -12:00 pm	Cystic Fibrosis Clinic.
	1:00 - 5:30 pm	Chest Clinic
Wednesday	8:00 – 12pm	Sleep Clinic in Bellevue or (Pulmonary Team Rounds)
	9:00 – 10:30 am	Pulmonary Team Rounds
	1:00 – 5:00 pm	Pulmonary Consultations
Thursday	8:00 - 9:00 am	Grand Rounds
	9:00 am -12:00 pm	Chest Clinic
	1:00 - 5:00 pm	Pulmonary Consultations
Friday	8:00 - 9:00 pm	Journal Club
	9:00 -1:00 pm	Chest Clinic
	1:00 – 5:00 pm	Pulmonary Consultations

During unscheduled periods, students should be available to evaluate inpatients, including children receiving intensive care, staffed by the on-service fellow and attending. Student should also observe flexible bronchoscopy performed on children.

Once each month: Pulmonary Function Lab Experience, Tracheostomy Rounds, Respiratory Care Rounds.

**Conferences:**

Other monthly conferences:

2 <sup>nd</sup> Monday	9:00 am	Radiology Rounds	R-3478
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**Evaluation:**

- By Faculty: Students will be evaluated on their interest in learning, fund of knowledge, use of that knowledge, organizational skills, initiative, professionalism, critical thought, and clinical interactions with children and families. Pulmonary fellows and faculty and pulmonary team members will evaluate students.

**PEDS 685 P- Pediatric Hematology & Oncology ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Peds and Med required clerkship (PEDS 665, MED 665). Fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- To become familiar with the clinical presentations, diagnoses, and management of malignancy and hematologic disorders in children,
- To recognize abnormal physical findings and understand the significance of these abnormal signs as they relate to cancer in childhood,
- To understand the role of the pediatric specialty consultant in the clinical practice of childhood cancer and hematologic disorders.

After completion of this elective the student will be able to:

- List common clinical problems referred for outpatient evaluation in pediatric hematology oncology and describe the diagnostic and therapeutic approach to these problems,
- Describe the indications, side effects of commonly used cancer treatments
- Perform a comprehensive physical examination on a child with a malignancy or hematological disorder,
- Recognize and describe abnormal physical examination findings and outline the significance of the abnormal signs,
- Describe the impact of cancer on a child, family, and community.

**Schedule:**

On the first day of the rotation, meet B6553, 6th floor Seattle Children’s Hospital. The rotation can be 2 weeks or 4 weeks duration, usually divided between inpatient and outpatient. Students will independently see a variety of patients in the outpatient clinic. The student will fill the role of an acting intern on the inpatient ward, supervised by the Hematology Oncology fellow and attending.

**Reading:**

Reading requirement varies according to patient exposure from articles or textbooks available in the clinic and inpatient floor.

**Evaluation:**

Evaluation is by faculty who have worked with student solely on the clinical performance using the standard UWSOM form

**PEDS 686 P- Pediatric Cardiology ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Peds required clerkship (PEDS 665). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Administrative Contact:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA; Seattle Children’s Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- To become skilled in the cardiovascular physical examination of children,
- To recognize the clinical presentation of common pediatric cardiovascular conditions,
- To understand the basic anatomy and physiology of congenital heart disease,
- To understand the diagnostic modalities available for the work-up of congenital heart disease.
- To understand the treatment options for cardiovascular disease in children.

After completion of this elective the student will be able to:

- Perform a focused cardiovascular physical examination in children,
- Describe the clinical presentations of common pediatric cardiovascular conditions,
- Outline the basic anatomy and physiology of commonly encountered types of congenital heart disease,
- Summarize the diagnostic modalities for the work-up of children with congenital heart disease,
- Discuss the treatment options available for commonly encountered types of congenital heart disease.

**Schedule:**

Clinic: Monday through Friday, 8:30 am - 4:00 pm. Students will spend the majority of their time in the Heart Center clinic. Students will participate in the outpatient evaluation of new and returning patients. Emphasis will be on physical diagnosis skills including auscultation. Participation in outreach clinics in is possible.

Cardiovascular genetics clinic:

Multidisciplinary clinic to evaluate patients with combined cardiac and genetic problems.

Echocardiography laboratory:

Students will be exposed to echocardiography during clinic. The utility and limitations of echocardiography will be stressed.

Catheterization Laboratory:

Students are encouraged to observe catheterization (1 day) and electrophysiology studies (1 day).

Cardiothoracic Surgery:

Each student will have the opportunity to observe a surgical procedure.

**Conferences:**

Cardiology Patient Care Conference:

Mondays at 7:00AM, Heart Center conference room, 3<sup>rd</sup> floor conference room. Cases are reviewed to discuss possible treatment plans including need for surgical intervention.

Didactic lecture series:

Tuesdays at 7:00AM, G-0070 conference room. Topics pertinent to pediatric cardiology.

Cardiovascular Surgery Conference:

Fridays at 7:30am, 3<sup>rd</sup> floor conference room. Surgical cases for the week are presented.

**Reading/Texts:**

The following introductory texts are provided at the beginning of the rotation. Students also have access to recordings of common auscultatory findings.

1. Park, MK, *Pediatric Cardiology for Practitioners*, Moseby, 1996.
2. Park MK, Guntheroth WG, *How to read Pediatric ECGs*, Moseby, 1992.
3. Park MK, *The Pediatric Cardiology Handbook*, Moseby, 1997.

**Evaluation:**

1. By Faculty: The evaluation will be based on clinical performance and will be elicited from the attendings using the standard UWSOM form.

**PEDS 689 P- Advanced Pediatric Subinternship Ft. Washakie WY ( \*, max 12)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of third- year core clerkships. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, Carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Fort Washakie, WY: Indian Health Services
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

## **PEDS 690 P- Advanced Pediatric Clerkship Boise ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	PEDS 665, MED 665, OB GYN 665. Fourth-year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, Carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Boise, ID: St Luke's Regional Medical Center
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

- Obtain a more intense exposure to inpatient pediatrics.
- Develop advanced pediatric inpatient management skills.
- Participate at the near intern level on a general pediatric inpatient team.
- Admit, manage and discharge a variety of typical pediatric inpatient conditions.

### **Schedule:**

Attend all daily rounds, lectures and activities including every 4<sup>th</sup> night call and will participate in outpatient clinics. (More formal schedule will be provided on the first day of the rotation).

### **Conferences:**

Pediatric Lectures  
Attending rounds  
Sign-out rounds

### **Reading:**

General Pediatric textbook  
CLIPP cases ([www.clippcases.org](http://www.clippcases.org))

### **Evaluation:**

By Faculty and residents, on clinical performance using standard UWSOM evaluation forms.

## **PEDS 691 P- Advanced Pediatric Clerkship Seattle ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds, Med, Ob Gyn Required clerkship (PEDS 665, MED 665, OB GYN 665). Fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	Up to 3 students per rotation.
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

- Obtain a more intense exposure to inpatient pediatrics,
- Develop advanced pediatric inpatient management skills.
- Participate at the near intern level on a general pediatric inpatient team,
- Admit, manage and discharge a variety of typical pediatric inpatient conditions.

**Schedule:**

Attend all daily rounds, lectures and activities including every 4<sup>th</sup> night call. (More formal schedule will be provided on the first day of the rotation).

**PEDS 692 P- Advanced Pediatric Clerkship Spokane ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds required clerkship. Permission from department.
<b>Compliance Requirement(s):</b>	General orientation, acceptable use agreement, health care passport.
<b>Enrollment:</b>	1 student per rotation
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, Carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Sacred Heart Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

- Obtain a more intense exposure to inpatient pediatrics,
- Develop advanced pediatric inpatient management skills.
- Participate at the near intern level on a general pediatric inpatient team,
- Admit, manage and discharge a variety of typical pediatric inpatient conditions.

**Schedule:**

Attend all daily rounds, lectures and activities including every 4<sup>th</sup> night call. (More formal schedule will be provided on the first day of the rotation).

**PEDS 693 P- Advanced Pediatric Clerkship Mary Bridge ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds, I-Med, Ob/Gyn, Surg required clerkship. Permission from Department.
<b>Compliance Requirement(s):</b>	Drug testing, 6 panel oral swab
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Sara Griffin, 206-987-2008, sara.griffin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Tacoma, WA: Mary Bridge Children's Hospital
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2008
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Inpatient and outpatient experience with responsibilities comparable to intern for patient workup, diagnosis, and care.

**PEDS 694 P- Pediatric Adolescent Medicine ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Peds, I-Med, Ob/Gyn, Surg required clerkship. Permission from Department.
<b>Compliance Requirement(s):</b>	Contact Department
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Sara Fear, 206-987-2008, sara.fear@seattlechildrens.org
<b>Director:</b>	Sherilyn Smith and Jordan Symons, 206-685-1350, sherilyn.smith@seattlechildrens.org, jordan.symons@seattlechildrens.org
<b>Clerkship Site(s):</b>	Various

<b>Housing Available:</b>	No
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

**Understand the role of the clinician in adolescent health problems through screening and counseling:**

- Obtain and interpret a history from adolescent’s parent (s) (concerns about adolescent’s health, past medical history, family history) and a confidential history from the adolescent (assessing current health concerns, bio-psycho-social history and behaviors that affect health through a structured interview technique (e.g. HEADSS).
- Describe the wide range of normal patterns of physical growth and pubertal development during adolescence and appropriately counsel patients and their families about pubertal variations.
- Complete a sensitive and skillful physical examination of male and female adolescents and young adults.
- Counsel and provide patient education in a developmentally-appropriate manner, remaining respectful of adolescent’s needs and privacy.

**Evaluate and manage undifferentiated signs and symptoms in adolescents:**

- Articulate the common patterns of functional complaints in adolescents (e.g. headaches, abdominal pain, fatigue, chest pain, etc)
- Develop a sensitive, supportive approach to the evaluation of these concerns.
- Recognize characteristics in the adolescent’s history or health course warranting further diagnostic test versus watchful and supportive observation.

**Understand the diagnosis and management of common conditions in adolescents:**

- Conduct the initial assessment, develop a differential diagnosis, initiate treatment and/or referral as appropriate of the following conditions commonly referred to Adolescent Medicine:
  - Behavioral/psychiatric: anorexia nervosa, bulimia nervosa, depression, suicidal ideation, anxiety, obsessive compulsive disorder, substance abuse, attention deficient hyperactivity disorder or attention deficient disorder
  - Gynecologic: contraception, contraception in teens with chronic disease, pregnancy, amenorrhea, dysfunctional uterine bleeding, polycystic ovary syndrome, pelvic inflammatory disorder, endometriosis, congenital müllerian anomalies
  - Infectious disease: STI screening and treatment
  - Musculoskeletal: scoliosis, fractures, joint pain, back pain
  - Neurologic: concussions, chronic headaches

**Demonstrate high standards of professional competence while working with adolescents:**

- Provide family-centered care
- Demonstrate a commitment to acquiring the base of knowledge need for the care of adolescents
- Demonstrate interpersonal and communication skills that result in information exchange and partnering with patients, their families, and professional associates
- Identify standardized guidelines for diagnosis and treatment of conditions coming in adolescents
- Demonstrate personal accountability to the well being of patients
- Identify key aspects of health care systems as they apply to the care of adolescents and their families.

**Schedule:**

Daily Clinics in a variety of locations: Adolescent and Young Adult Medicine Clinic, Roosevelt School-based Health Clinic, Juvenile Hall Medical Clinic, Bellevue Clinic, Country Doctor Homeless Teen Clinic

**Reading:**

Adolescent Health Care, Fifth Ed. Neinstein, Gordon, Katzman, Rosen, Woods (eds).

Multiple readings

**Conferences:**

Time	Topic
Monday 8 am- 10 am	Didactic presentations by Faculty and Fellows on general adolescent health
Wednesday 8am-9 am	Adolescent 411 Presentation

Friday 1:15-3:30	Leadership Excellence in Adolescent Health Conferences
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**Presentation:**

Students are expected to present a 20-30 minute discussion of a clinical issue/case of their choice.

**Evaluation:**

By Faculty on student clinical performance using standard UWSOM evaluation form.

**PEDS 697 P- Pediatric Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Open to fourth year students. Permission of department. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, Carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or ‘away clerkships’ may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship’s details, and obtain the Director’s approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

**PEDS 699 P- WWAMI Pediatrics Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time
<b>Prerequisite:</b>	Open to fourth year students. Permission of department. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Carla Salldin, 206-987-2063, Carla.salldin@seattlechildrens.org
<b>Director:</b>	Curt Bennett, 206-685-1350, fbennett@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Pediatrics, SCH, 206-987-2063
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or ‘away clerkships’ may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship’s details, and obtain the Director’s approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# PSYCHIATRY AND BEHAVIORAL SCIENCES

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Number	Clerkship Title	Location	Credits
CONJ 680	P- Detoxification & Rehabilitation Program for Alcoholism & Drug Abuse	Seattle, WA	*, max. 16
PBSCI 670	P- Clerkship in Consultation Liaison Psychiatry UWMC	Seattle, WA	*, max. 24
PBSCI 671	P- Clerkship in Consultation Liaison Psychiatry HMC	Seattle, WA	*, max. 24
PBSCI 672	P- Elective Clerkship in Primary Care Psychiatry at Boise VA	Boise, ID	8/12
PBSCI 673	P- Outpatient Psychiatry Elective	Seattle, WA	8/12
PBSCI 678	P- Clerkship in Psychiatric Long-term care and Rehabilitation	Tacoma, WA	*, max. 24
PBSCI 680	P- Clerkship in Emergency Psychiatry	Seattle, WA	*, max. 24
PBSCI 685	P- Geriatric Psychiatry Clerkship	Seattle, WA	*, max. 12
PBSCI 688	P- Subinternship in General Psychiatry	Seattle, WA	*, max. 16
PBSCI 695	P- Advanced Clerkship in Child Psychiatry CSTC	Lakewood, WA	*, max. 24
PBSCI 696	P- Advance Clerkship in Child Psychiatry	Seattle, WA	*, max 24
PBSCI 697	P- Psychiatry Special Elective	Outside WWAMI	*, max. 24
PBSCI 699	P- WWAMI Psychiatry and Behavioral Sciences Special Elective	Inside WWAMI	*, max. 24

## PSYCHIATRY AND BEHAVIORAL SCIENCES Elective Clerkships

Department Website: <https://depts.washington.edu/psyclerk/general/index.html>

Courses Offered in:						
Alaska	Idaho:	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
	PBSCI 672		CONJ 680 PBSCI 670, 671, 673, 678, 680, 685, 688, 695, & 696			PBSCI 697 & 699

### Conjoint 680 P- Detoxification and Rehabilitation Programs for Alcoholism and Drug Abuse ( \*, max 16) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 / 6 weeks full-time
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	<b>Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Enrollment:</b>	2 students maximum per rotation.
<b>Clerkship Coordinator:</b>	Gayle Schneider, 206-744-3443, gshneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: VA
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### Goals and Objectives:

At the end of the clerkship, the student will be able to:

- Discuss the DSM-IV criteria for substance-related disorders,
- Outline methods of detoxification for alcohol, opioids, and stimulants,
- Effectively participate in interdisciplinary treatment planning and describe the advantages to patients of such collaboration,
- Discuss methods for group therapy in addiction treatment and participate in groups,
- Discuss use of medications used for relapse prevention such as naltrexone and disulfiram, including indications and dosages of these medications,
- Identify and discuss bio-psycho-social-spiritual resources available for addiction treatment and relapse prevention and be able to describe them.

### Schedule:

Week 1	8:15 - 9:00 am	Treatment team meeting.
	9 :00 - 9:30 am	Check in/out rounds.
	9:45 am - 2 :00 pm	Treatment groups.
	2:30 – 3:00 pm	Check in/out round.
	9:30 am - 4:30 pm	Patient assessments.
Week 2	8:00 am - 4:30 pm	Site visits (students arrange times for site visits with the particular programs they are interested in visiting; this is at the discretion of the particular program).
Weeks 3-8	8:00 am - 4:30 pm	Combination of the above tailored to meet individual student's educational goals. Degree of focus can vary, but generally will include increased responsibility for the direct management of the ongoing medical and psychiatric care for assigned individual patients & if desired, an opportunity for the expanded role in the psychoeducational treatment modalities.

**Conferences:**

- Daily (M-F) treatment team meetings.
- 2x daily (M-F) medical-nursing “check in/out rounds.”
- Inpatient and outpatient treatment groups.
- Site visits to 4 to 8 addiction treatment related programs in the community.

**Presentations:**

- Perform H&P, write admission orders, and decide detoxification strategy for at least 1 patient admitted to the inpatient addiction treatment program.
- Perform or observe at least 1 screening assessment for prescribing medication for relapse prevention.
- Complete a brief summary paper describing, comparing, and contrasting the community programs visited.

**Readings/texts:**

*Diagnostic and Statistical Manual of Mental Disorders (DSM-IV).*  
Addiction treatment related literature distributed during clerkship.

**Evaluation:**

By Faculty: Evaluation of student is mainly by preceptor, with input from other faculty and staff whom the student works with in this rotation. The completed “Evaluation of Student Performance in the Clinical Curriculum” form includes a descriptive narrative of performance.

**PBSCI 670 P- Clerkship in Consultation-Liaison Psychiatry UWMC ( \*, max 24)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks (4 weeks highly preferable) full-time.
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Recognize and demonstrate the differential diagnosis of the psychiatric conditions most commonly encountered in medical settings (e.g. delirium, dementia, depression, somatoform and factitious disorders, substance abuse and withdrawal),
- Assess and describe behavioral conditions commonly seen on medical and surgical services (e.g. suicidal and homicidal threats, grief, anxiety, personality problems and pain),
- Evaluate a patient hospitalized because of a suicide attempt or attempted self-harm and to assess risk of self-harm while on medical or surgical services, as well as the level of psychiatric care needed after discharge,
- Adapt psychopharmacologic and psychotherapeutic treatments for medically ill patients,
- Discuss legal issues involved in consultation psychiatry, particularly to help direct the treatment approach when a patient’s ability to make needed medical treatment decisions (e.g. competency or decisional capacity) is questioned,
- Educate non-psychiatric staff to understand and manage psychiatric conditions in their patients.

**Schedule:**

Daily Monday - Friday, 8:00 am – 5:00 pm.

Daily assessment of patients and daily patient rounds with C-L team members.

**Conferences:**

Mondays – C-L teaching conference at either UWMC or HMC; attend departmental conferences as time/patient load permit: Department of Psychiatry Grand Rounds (third Friday each month).

**Presentations:**

Presentation to C-L team members on topic of interest is optional.

**Readings/texts:**

Multiple texts and teaching files are available in the C-L office.

Suggested readings include:

UWMC Psychiatry Resident Consultation-Liaison Handbook.

*Textbook of Consultation-Liaison Psychiatry* (Rundell and Wise).

*Seminars in Liaison Psychiatry* (Guthrie and Creed).

**Evaluation:**

By Faculty: The psychiatry Consultation-Liaison attending, in conjunction with the psychiatry residents whom the student works with in this rotation will complete the “Evaluation of Student Performance in the Clinical Curriculum” form, including a descriptive narrative of performance.

**PBSCI 671 P- Clerkship in Consultation-Liaison Psychiatry HMC ( \*, max 24)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Recognize and demonstrate the differential diagnosis of the psychiatric conditions most commonly encountered in medical settings (e.g. delirium, dementia, depression, somatoform and factitious disorders, substance abuse and withdrawal),
- Assess and describe behavioral conditions commonly seen on medical and surgical services (e.g. suicidal and homicidal threats, grief, anxiety, personality problems and pain),
- Evaluate a patient hospitalized because of a suicide attempt or attempted self-harm and to assess risk of self-harm while on medical or surgical services, as well as the level of psychiatric care needed after discharge,
- Adapt psychopharmacologic and psychotherapeutic treatments for medically ill patients,
- Discuss legal issues involved in consultation psychiatry, particularly to help direct the treatment approach when a patient’s ability to make needed medical treatment decisions (e.g. competency or decisional capacity) is questioned,
- Educate non-psychiatric staff to understand and manage psychiatric conditions in their patients.

**Schedule:**

Daily Monday – Friday 8:00 am – 12:00 pm students will see patients with psychiatry residents. Depending on student skill level, they may see patients individually.

Consult Rounds daily. During rounds, students will present the assigned patients, including recommendations and plans. Ward rounds with C-L attending; 2:00 – 5:00 pm.

**Conferences:**

Mondays – C-L teaching conference at either UWMC/HMC; attend departmental conferences as time & patient load permits. Inpatient chief resident teaching seminars. Friday – faculty-resident teaching conference or HMC Psychiatry Grand Rounds.

**Presentations:**

Presentation to C-L team members on topic of interest is optional.

**Readings/texts:**

Multiple texts and teaching files are available in the C-L office at 5 East Clinic.

Suggested readings include:

HMC Psychiatry Resident Consultation-Liaison Handbook.

*Textbook of Consultation-Liaison Psychiatry* (Rundell and Wise).

*Seminars in Liaison Psychiatry* (Guthrie and Creed).

**Evaluation:**

By Faculty: The psychiatry Consultation-Liaison attending, in conjunction with the psychiatry residents whom the student works with in this rotation will complete the "Evaluation of Student Performance in the Clinical Curriculum" form, including a descriptive narrative of performance.

**PBSCI 672 P- Elective Clerkship in Primary Care Psychiatry at Boise VAMC (8/12)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	Requires extensive credentialing paperwork.
<b>Enrollment:</b>	1 (2 possible) student per rotation.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Boise, ID: VAMC
<b>Housing Available:</b>	Contact the Department of Psychiatry, HMC, 206-744-3443
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Conduct complete diagnostic psychiatric interviews,
- Assess and develop treatment plans for patients with acute psychiatric problems in a primary care/rural setting and in a crisis setting,
- Provide psychiatric consultation for general medicine and surgery services recognizing the differential diagnosis of the psychiatric conditions most commonly encountered in medical settings (e.g. delirium, dementia, depression, somatoform and factitious disorders, substance abuse and withdrawal),
- Initiate and manage pharmacotherapeutic and brief psychotherapeutic treatment regimens appropriate to patient problems,
- Demonstrate excellent communication and team skills with other health care professionals in managing mentally ill patients.

**Schedule:**

Opportunities to participate in satellite clinics in rural areas and Indian Health Service. Other participation negotiable depending on interest and experience.

**Conferences:**

Clinical care conferences.

**Presentations:**

Presentation of a specific clinical area to the treatment team is an option.

**Readings/texts:**

*Introductory Textbook of Psychiatry* 4th Edition (2006) by Nancy Andreason and Donald Black  
ISBN: 978-1585622238 or 978-1585622726 (paperback)

*Current Clinical Strategies Pub - Psychiatry*, 1st Rev Upd edition (Sept. 2007), Hahn, Rhoda K.  
ISBN-13: 978-1934323106

**Evaluation:**

By Faculty: Evaluation of student is mainly by attending, with input from other staff whom the student works with in this rotation. The completed "Evaluation of Student Performance in the Clinical Curriculum" form includes a descriptive narrative of performance.

**PBSCI 673 P- Outpatient Psychiatry Elective (8/12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	1 student per 4 / 6 week rotation.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC and 401 Broadway
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Conduct complete diagnostic psychiatric interviews,
- Demonstrate skills in acute diagnosis, assessment and crisis intervention for urgent psychiatric complaints and for patients with combined psychiatric and addictions issues,
- Develop a biopsychosocial formulation and care plan,
- Initiate and manage pharmacotherapeutic treatment regimens appropriate to patient problems,
- Facilitate co-therapy in groups under the supervision of attending physicians, resident and other trained staff,
- Provide crisis intervention under the supervision of attendings, resident and other trained staff,
- Demonstrate excellent communication and team skills with other health care professionals in managing severely mentally ill patients.

**Conferences:**

Monthly Psychiatry Grand Rounds at Harborview (first Friday), monthly Psychiatry Grand Rounds at UWMC (third Friday), HMC Psychiatry Friday Faculty-Resident teaching conferences, clinical care conferences in each clinical unit.

**Presentations:**

1. Patient presentation to attendings.
2. Option to present a topic to the multidisciplinary team.

**Readings/texts:**

*Introductory Textbook of Psychiatry* 4th Edition (2006) by Nancy Andreason and Donald Black  
ISBN: 978-1585622238 or 978-1585622726 (paperback)

*Current Clinical Strategies Pub - Psychiatry*, 1st Rev Upd edition (Sept. 2007), Hahn, Rhoda K.  
ISBN-13: 978-1934323106

Reading provided in rotation.

**Evaluation:**

By Faculty: Evaluation of student is mainly by preceptor, with input from other faculty and staff whom the student works with in this rotation. The completed "Evaluation of Student Performance in the Clinical Curriculum" form includes a descriptive narrative of performance.

## **PBSCI 678 P- Clerkship in Psychiatric Long-Term Care and Rehabilitation ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 6 weeks full-time.
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	Requires extensive credentialing paperwork. Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Enrollment:</b>	2 students per 2 / 6 week rotation.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Tacoma, WA: VAPSHCS American Lake
<b>Housing Available:</b>	Contact the Department of Psychiatry, HMC, 206-744-3443
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Perform and record an accurate and comprehensive psychiatric evaluation of the long term psychiatric patient with emphasis placed on functional assessment and a multidisciplinary approach,
- Develop differential diagnoses and treatment plans for common psychiatric symptoms and disorders of patients with concurrent medical illnesses,
- Adapt psychopharmacologic and psychotherapeutic treatments for chronically psychiatrically ill patients with concurrent medical illnesses,
- Demonstrate communication, interpersonal, and psychotherapeutic skills to put patients and families at ease, elicit information in an empathic manner, and address relevant emotional and interpersonal aspects of illness,
- Demonstrate an understanding of the unique challenges of treating homeless patients with chronic mental illness,
- Demonstrate excellent communication and team skills with other health care professionals in managing severely mentally ill patients.

### **Presentations:**

Student is responsible for preparing and presenting an educational topic to the chronically mentally ill patient group.

### **Evaluation:**

By Faculty: Evaluation of student is mainly by preceptor, with input from other faculty and staff whom the student works with in this rotation. The completed "Evaluation of Student Performance in the Clinical Curriculum" form includes a descriptive narrative of performance.

### **Other:**

Course may be taken more than once. Shared dormitory rooms are available, but must be arranged at least 60 days in advance. Meals are not included. Shuttle service between Seattle & American Lake VAs.

## **PBSCI 680 P- Clerkship in Emergency Psychiatry ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-times.
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	1 student per 4 week rotation.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Establish rapport with acutely disturbed patients,
- Discuss elements of dangerousness in a patient who was assessed,
- Discuss medical, neurological, and physiological causes for observed psychiatric symptoms,
- Demonstrate skills in acute diagnosis, assessment and crisis intervention for urgent psychiatric complaints and for patients with combined psychiatric and addictions issues,
- Demonstrate a working knowledge of the indicators for acute hospitalization versus outpatient management.

### **Schedule:**

Monday - Friday, 8:00 am – 5:00 pm in the Psychiatric Emergency Services area at Harborview Medical Center.

### **Conferences:**

Mondays, 12:00 – 1:00 pm, Chief Resident's conference (as workload permits).

Fridays, 12:00 – 1:00 pm, Friday teaching conference (as workload permits).

### **Readings/texts:**

Articles and textbooks available in the Crisis Triage Unit.

*Introductory Textbook of Psychiatry* 4th Edition (2006) by Nancy Andreason and Donald Black  
ISBN: 978-1585622238 or 978-1585622726 (paperback)

*Current Clinical Strategies Pub - Psychiatry*, 1st Rev Upd edition (Sept. 2007), Hahn, Rhoda K.  
ISBN-13: 978-1934323106

### **Evaluation:**

By Faculty: Evaluation of student is mainly by preceptor, with input from other faculty and staff whom the student works with in this rotation. The completed "Evaluation of Student Performance in the Clinical Curriculum" form includes a descriptive narrative of performance.

## **PBSCI 685 P- Geriatric Psychiatry Clerkship ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full time.
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	VA: Requires extensive credentialing paperwork.
<b>Enrollment:</b>	1 student per rotation.
<b>Faculty Contact(s):</b>	Dr. Heidi Combs
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: VAPSHCS-Seattle, UWMC Outpatient Clinic, and HMC
<b>Housing Available:</b>	No
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	No

### **Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Perform and record an accurate and comprehensive psychiatric evaluation of the elderly patient, Special emphasis will be placed on functional assessment and a multidisciplinary approach.
- Demonstrate communication; interpersonal; and psychotherapeutic skills to put patients and families at ease; elicit information in an empathic manner; and address relevant emotional and interpersonal aspects of illness,
- Develop differential diagnoses and treatment plans for common psychiatric symptoms and disorders of elderly psychiatric; neurological; and medical patients (e.g. mood disturbances, delirium, paranoia, dementia, stroke, movement disorders),
- Assess and manage elderly psychiatric patients in the inpatient; outpatient; consultation; long-term care; and community settings,
- Utilize allied health personnel and resources in developing a comprehensive treatment plan for older patients,

- Refer patients to other allied health personnel when clinically indicated.

**Schedule:**

Monday through Friday from 8:00 am- 5:00 pm at different sites in the Seattle area. The schedule will include participating in the VA Puget Sound Geriatric Evaluation and Management (GEM) Unit, seeing patients in the Geriatric Outpatient Clinic, seeing patients at the UW Outpatient Psychiatry Clinic, performing consults at the VA and Harborview Medical Center consultation services and nursing home care units, seeing patients in the community nursing home setting as a member of the Harborview Medical Center Geriatric Psychiatry Service. The student may also be able to participate in neuropsychiatric assessments in the VA Memory Disorders Clinic. The student should anticipate needing a vehicle for this elective.

**Conferences:**

Geriatric Fellows Conference, Clinical Pathology Conference, Expert Consensus Conference, Post-clinic Conference, Geriatric Medicine Grand Rounds, Neurology Grand Rounds (summer), Psychiatry Grand Rounds, conferences, research seminars, Post-clinic conference, and other clinical teaching activities of the UW geriatric teaching program.

**Readings/texts:**

Journal articles will be handed out. No specific text.

**Evaluation:**

By Faculty: Evaluation of student is mainly by primary preceptor, with input from other faculty and staff whom the student works with in this rotation. The completed "Evaluation of Student Performance in the Clinical Curriculum" form includes a descriptive narrative of performance.

**PBSCI 688 P- Subinternship in General Psychiatry ( \*, max 16) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669). Permission from department.
<b>Compliance Requirement(s):</b>	Varies by site, please contact department.
<b>Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC, VA
<b>Housing Available:</b>	No
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Assess the immediate risk for violence and suicide of inpatients
- Perform appropriate interventions for patients at risk for violence and/or suicide,
- Develop differential diagnoses and treatment plans for common psychiatric symptoms and disorders,
- Manage patient care including writing orders, determining appropriate laboratory and other testing,
- Communicate and work effectively with a multidisciplinary team to maximize patient care,
- Develop and implement effective outpatient plans,
- Communicate and work effectively with other treating health professionals,
- Document care and complete discharge summaries that are accurate, coherent, and succinct.

**Conferences:**

Monthly Psychiatry Grand Rounds at Harborview (first Friday), monthly Psychiatry Grand Rounds at UWMC (third Friday), HMC Psychiatry Friday Faculty-Resident teaching conferences, clinical care conferences in each clinical unit.

**Presentations:**

One presentation of a patient-related topic to the treatment team; daily rounds presentation about patients cared for.

**Readings/texts:**

*Introductory Textbook of Psychiatry* 4th Edition (2006) by Nancy Andreason and Donald Black  
ISBN: 978-1585622238 or 978-1585622726 (paperback)

*Current Clinical Strategies Pub - Psychiatry*, 1st Rev Upd edition (Sept. 2007), Hahn, Rhoda K.  
ISBN-13: 978-1934323106

Reading provided in rotation.

**Evaluation:**

By Faculty: The psychiatry attending, in conjunction with the psychiatry residents whom the student works with in this rotation will complete the "Evaluation of Student Performance in the Clinical Curriculum" form, including a descriptive narrative of performance.

**PBSCI 695 P- Advanced Clerkship in Child Psychiatry CSTC ( \*, max 24) credits****PBSCI 696 P- Advanced Clerkship in Child Psychiatry ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668, or 669).
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Enrollment:</b>	2 students per 4 / 6 week rotation.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443; gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital (PBSCI 696) Lakewood, WA: Child Study and Treatment Center (PBSCI 695)
<b>Housing Available:</b>	No
<b>Transportation:</b>	Not provided.
<b>Permission Required:</b>	Permission from department required for PBSCI 696.
<b>Surgical Selective:</b>	No

**Goals and Objectives:**

At the end of the clerkship, the student will be able to:

- Conduct a complete psychiatric interview with a child or adolescent and his family
- Formulate a diagnosis for children and adolescents,
- Develop a biopsychosocial formulation taking into account the issues salient for children and adolescents,
- Develop a comprehensive treatment care plan,
- Effectively communicate the results of the assessment and treatment plan to the family, child or adolescent,
- Communicate and work effectively with other treating professionals.

**Conferences:**

Clinical care conferences in each of the clinical sites (inpatient and outpatient).

**Readings/texts:**

*Child and Adolescent Psychiatry: A Comprehensive Text*. Melvin Lewis, M.D., editor.

**Evaluation:**

By Faculty: Evaluation of student is mainly by psychiatry attending, with input from other faculty and staff whom the student works with in this rotation. The completed "Evaluation of Student Performance in the Clinical Curriculum" form includes a descriptive narrative of performance.

### PBSCI 697 P- Psychiatry Special Elective ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Open to fourth year students. PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668 or 669). Permission from department required. <b>+ 2 month application process.</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443, gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Psychiatry, HMC, 206-744-3443
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

#### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

### PBSCI 699 P- WWAMI Psychiatry and Behavioral Sciences Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Open to fourth year students. PBSCI required clerkship (PBSCI 662, 663, 665, 666, 667, 668 or 669). Permission form department required. <b>+ 2 month application process.</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	Variable.
<b>Clerkship Coordinator:</b>	Gayle Schneider; 206-744-3443, gschneid@u.washington.edu
<b>Director:</b>	Heidi Combs, 206-744-3425, hcombs@uw.edu
<b>Clerkship Site(s):</b>	Various with WWAMI
<b>Housing Available:</b>	Contact the Department of Psychiatry, HMC, 206-744-3443
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

#### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# RADIATION ONCOLOGY

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Number	Clerkship Title	Location	Credits
R ONC 694	P- Clinical Cancer Management SSCA	Seattle, WA	*, max. 8
R ONC 695	P- Clinical Cancer Management UWMC	Seattle, WA	*, max. 8
R ONC 697	P- Radiation Oncology Special Elective	Outside WWAMI	*, max. 24

## RADIATION ONCOLOGY Elective Clerkships

Department website: [http://www.radonc.washington.edu/education/medical\\_student\\_training/](http://www.radonc.washington.edu/education/medical_student_training/)

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
		R ONC 694 & 695			R ONC 697

**[R ONC 694 P- Clinical Cancer Management SSCA \(\\*, max. 8\) credits](#)**

**[R ONC 695 P- Clinical Cancer Management UWMC \(\\*, max 8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time
<b>Prerequisite:</b>	Completion of all third year required clerkships. Permission from department
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Erin Van Antwerp, 206-598-4121, <a href="mailto:etwerp@u.washington.edu">etwerp@u.washington.edu</a>
<b>Director:</b>	Ralph Ermoian, 206-598-4121, <a href="mailto:ralphpe@uw.edu">ralphpe@uw.edu</a>
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Cancer Care Alliance & UW Cancer Center
<b>Housing Available:</b>	Contact the Department of Radiation Oncology, HSB NN 146, 206-598-4121
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

Please visit: <https://catalyst.uw.edu/workspace/etwerp/34930/>, for more information.

### **Goals and Objectives:**

- Students will participate in the clinical management of patients with cancer, emphasizing a multiple modality approach.
- Students will learn clinical assessment, planning of radiation treatment and follow-up evaluation of patients.

At the end of the clerkship, students will be able to

- Describe the clinical workup of, indications for radiation therapy in, and treatment planning of: central nervous system, pediatric, thoracic, head & neck, and some genitourinary cancers. (The specific tumors will be based on the services with which the student spends their time.)
- Identify critical learning resources, including the relevant radiation oncology textbooks and literature appropriate to each patient.
- Perform detailed, patient specific physical examinations relevant to the cancer disease site and accurately and succinctly report findings.
- Present detailed but succinct patient presentations that are radiation oncology focused for new patient consults.
- Write new consult notes with appropriate details and succinctness that a first year radiation oncology resident would reside.
- Contour the critical structures associated with breast, prostate, gastrointestinal, and gynecologic tumors using radiation oncology software.

### **Schedule:**

Clinic is open from 8:00 am – 5:00 pm, however, students are expected to be present in quality assurance rounds, didactics, and other educational events that start between 7-7:30 daily. No weekly clinical responsibilities or conferences.

**Conferences:**

Quality Assurance Rounds weekly. In addition, students attend resident didactics and tumor boards that occur throughout the week.

**Presentations:**

Students are expected to present on a cancer related didactic to faculty and residents towards the end of their rotation. Guidance is provided early by the clerkship director and a chief resident. The presentation is 20-25 mins long and students should identify a topic by their first week. Highly successful students in this generally pick topics that they have a strong interest in, then are able to extend the audiences knowledge on that topic.

**Readings/test:**

Reading assigned by Chief Resident on the first day of rotation. Other reading from textbooks and journals are assigned by each attending which the visiting student may work with throughout rotation.

**Evaluation:**

Students will be primarily evaluated by residents and attending radiation oncologists. However, in forming final assessments, the input of all staff is welcome.

### **R ONC 697 P- Radiation Oncology Special Elective (\*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time.
<b>Prerequisite:</b>	Fourth- year medical students. Permission from department. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Erin Van Antwerp, 206-598-4121,etwerp@u.washington.edu
<b>Director:</b>	Ralph Ermoian, 206-598-4121, ralphpe@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Radiation Oncology, HSB NN 146, 206-598-4121
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington. Interested students must provide the department with documentation of the away clerkship, supervising/attending physician's contact information, as well as contact the clerkship coordinator to schedule a meeting or phone call with Dr. Ralph Ermoian prior to arranging the away clerkship, and obtain the Director's approval and signature.

**At least two (2) months prior to the clerkship start date**, students must contact the clerkship coordinator to schedule a meeting or phone call with Dr. Ralph Ermoian prior to arranging an away clerkship. Students must be able to provide the evaluator's complete contact information. Please note that students are ultimately responsible for the accuracy of the information given for evaluation and final grade submittal. The clerkship coordinator will notify the UWSOM Registrar upon approval of the away clerkship rotation.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# RADIOLOGY

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Number	Clerkship Title	Location	Credits
RADGY 686	P- Introduction to Diagnostic Radiology Idaho Falls	Idaho Falls, ID	4
RADGY 687	P- Introduction to Diagnostic Radiology Casper	Casper, WY	4
RADGY 688	P- Introduction to Diagnostic Radiology Boise	Boise, ID	
RADGY 689	P- Introduction to Diagnostic Radiology Billings	Billings, MT	4
RADGY 691	P- Introduction to Diagnostic Radiology Alaska	Anchorage, AK	4
RADGY 692	P- Introduction to Diagnostic Radiology Spokane	Spokane, WA	4
RADGY 694	P- Advance Clinical Clerkship	Seattle, WA	8
RADGY 695	P- Radiology Sub-Specialty Elective	Seattle, WA	*, max. 8
RADGY 696	P- Nuclear Medicine Clerkship	Seattle, WA	*, max. 12
RADGY 697	P- Radiology Special Electives	Outside WWAMI	*, max. 24
RADGY 699	P- WWAMI Radiology Special Electives	Inside WWAMI	*, max. 24

## RADIOLOGY Elective Clerkships

Department website: <http://www.rad.washington.edu/>

Courses Offered in:						
Alaska	Idaho	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
RADGY 691	RADGY 686 & 688	RADGY 689	RADGY 694, 695 & 696	RADGY 692	RADGY 687	RADGY 697 & 699

**[RADGY 686 P- Introduction to Diagnostic Radiology Idaho Falls \(4\) credits](#)**

**[RADGY 687 P- Introduction to Diagnostic Radiology Casper \(4\) credits](#)**

**[RADGY 689 P- Introduction to Diagnostic Radiology Billings \(4\) credits](#)**

**[RADGY 691 P- Introduction to Diagnostic Radiology Alaska \(4\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Kevin Nguyen, 206-221-1413, <a href="mailto:nguyenk6@uw.edu">nguyenk6@uw.edu</a>
<b>Director:</b>	Gautham Reddy, 206-598-2094, <a href="mailto:reddyg@uw.edu">reddyg@uw.edu</a>
<b>Clerkship Site(s):</b>	Idaho Falls, ID: Eastern Idaho Regional Medical Center Casper, WY: Wyoming Medical Center Billings, MT: Eastern Radiology Associates, St. Vincent Anchorage, AK: Alaska Native Medical Center
<b>Housing Available:</b>	Contact the Department of Radiology, 206-221-1413
<b>Permission Required</b>	Yes
<b>Surgical Selective:</b>	No

Lectures, case discussions, film reading, and independent study provide an overview of the subspecialty areas of diagnostic radiology and nuclear medicine. Emphasis on utilization and selection of imaging tests, radiologic anatomy, and interpretation of commonly encountered studies.

**[RADGY 688 P- Introduction to Diagnostic Radiology Boise \(4\) credits](#)**

**[RADGY 692 P- Introduction to Diagnostic Radiology Spokane \(4\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks half-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year students. Permission from department.
<b>Compliance Requirement(s):</b>	Spokane: General orientation, acceptable use agreement, health care passport.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Kevin Nguyen, 206-221-1413, <a href="mailto:nguyenk6@uw.edu">nguyenk6@uw.edu</a>
<b>Director:</b>	Gautham Reddy, 206-598-2094, <a href="mailto:reddyg@uw.edu">reddyg@uw.edu</a>
<b>Clerkship Site(s):</b>	Boise, ID: St. Luke's Medical Center Spokane, WA: Sacred Heart Medical Center
<b>Housing Available:</b>	Contact the Department of Radiology, 206-221-1413
<b>Permission Required</b>	Yes
<b>Surgical Selective:</b>	No

Lectures, case discussions, film reading, and independent study provide an overview of the subspecialty areas of diagnostic radiology and nuclear medicine. Emphasis on utilization and selection of imaging tests, radiologic anatomy, and interpretation of commonly encountered studies.

### **RADGY 694 P- Advanced Clinical Clerkship (8) credits**

<b>Offered:</b>	AUT, WIN, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Completion of HuBio series. Third- and fourth-year students
<b>Compliance Requirement(s):</b>	Please contact department.
<b>Total Enrollment:</b>	16 students per rotation
<b>Clerkship Coordinator:</b>	Kevin Nguyen, 206-221-1413, nguyenk6@uw.edu
<b>Director:</b>	Gautham Reddy, 206-598-2094, reddyg@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, VAMC, and Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Radiology, 206-221-1413
<b>Permission Required</b>	No
<b>Surgical Selective:</b>	No

#### **Goals and Objectives:**

- This course provides third- and fourth-year medical students an overview of the fields of diagnostic radiology and nuclear medicine. There will be lectures in the core subjects of radiation safety, contrast materials and imaging examinations. Additional lectures and small group discussions will cover the subspecialty areas of radiology, focusing on specific clinical problems where radiology plays a key role in diagnosis and treatment. In addition, students will spend time on clinical service in four sub-specialty areas of radiology.
- Students will develop an understanding of basic radiation safety including the effects of radiation exposure, dosage to patient and physician during imaging examinations and methods to reduce radiation exposure.
- Students will become familiar with the different types of contrast media, their indications, benefits and risks, and the treatment of contrast reactions.
- Students will improve their understanding of the different types of imaging examinations, their benefits and risks, and their use in certain key clinical problems.
- Students will improve their knowledge of radiologic anatomy and their ability to interpret imaging examinations.
- Students will gain insight into four sub-specialty areas and the practice of radiology.

#### **Schedule:**

Half-day PM in lecture and half-time AM on clinical service at UWMC, HMC, VAMC, and/or Seattle Children's Hospital.

#### **Requirements:**

- Attendance all lectures/case discussion sessions listed on the course schedule is **mandatory**,
- Attend four week-long clinical rotations, Students are expected to be on clinical service if there are blocks of non-lecture time,
- Read *Fundamentals of Radiology* (6th Edition) by Squire & Novelline,
- Prepare and present a plain film case report using MS PowerPoint,
- Pass the written and practical final examination,
- Students will be clinically evaluated,
- Complete a course evaluation form.

#### **Grading:**

- Grading is honors/high pass/pass/fail.
- To pass the course students must meet the course requirements.
- To receive a high pass grade students must meet the course requirements and either
  1. complete an honors project, or
  2. score in the upper third of the class on the final examination.

### RADGY 695 P- Radiology Sub-Specialty Elective ( \*, max 8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Requires special arrangements and permission from a preceptor and Dr.Rohrmann. Requires successful completion of RADGY 694
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 student per rotation
<b>Clerkship Coordinator:</b>	Kevin Nguyen, 206-221-1413, nguyenk6@uw.edu
<b>Director:</b>	Gautham Reddy, 206-598-2094, reddyg@uw.edu
<b>Clerkship Site(s):</b>	Varies by subspecialty; contact clerkship coordinator for more info
<b>Housing Available:</b>	Contact the Department of Radiology, 206-221-1413
<b>Permission Required</b>	Yes
<b>Surgical Selective:</b>	Yes

Clinical rotations in subspecialty areas of radiology at University of Washington and affiliated hospitals.

### RADGY 696 P- Nuclear Medicine Clerkship ( \*, max 12) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks.
<b>Prerequisite:</b>	Permission from Department. Completion of HuBio series.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation
<b>Clerkship Coordinator:</b>	Kevin Nguyen, 206-221-1413, nguyenk6@uw.edu
<b>Director:</b>	Gautham Reddy, 206-598-2094, reddyg@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Radiology, 206-221-1413
<b>Permission Required</b>	Yes
<b>Surgical Selective:</b>	No

Daily participation at University of Washington Medical Center Nuclear Medicine Clinic emphasizing technical performance, diagnostic interpretation, and clinical relevance of nuclear imaging. Daily clinical teaching conferences of the division. Four-and six-week clerkships can be preplanned in areas such as pulmonary, cardiovascular, renal, bone, computer analysis.

### RADGY 697 P- Radiology Special Elective ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time.
<b>Prerequisite:</b>	Permission from department. Completion of HUBIO series. Fourth-year medical students. Successful completion of RADGY 694. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	8 students per rotation
<b>Clerkship Coordinator:</b>	Kevin Nguyen, 206-221-1413, nguyenk6@uw.edu
<b>Director:</b>	Gautham Reddy, 206-598-2094, reddyg@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Radiology, 206-221-1413
<b>Permission Required</b>	Yes
<b>Surgical Selective:</b>	No

Medical imaging in a non-affiliated institution. Arrangements for this clerkship are the responsibility of the student. Permission and arrangements must be made at time of registration through direct communication between the student and the education coordinator in Radiology. A written statement of objectives from the preceptor at the intended site is required. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade

**RADGY 699 P- WWAMI Radiology Special Electives (\*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time.
<b>Prerequisite:</b>	Successful completion of RADGY 694. Permission from department. Fourth- year medical students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location.
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Kevin Nguyen, 206-221-1413, nguyenk6@uw.edu
<b>Director:</b>	Gautham Reddy, 206-598-2094, reddyg@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI.
<b>Housing Available:</b>	Contact the Department of Radiology, 206-221-1413
<b>Permission Required</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

# REHABILITATION MEDICINE

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Number	Clerkship Title	Location	Credits
REHAB 685	P- Chronic Disease & Disability	Seattle, WA	4
REHAB 686	P- Rehabilitation Medicine Clerkship Pediatrics	Seattle, WA	8/12
REHAB 687	P- Rehabilitation Medicine Clerkship	Seattle, WA	8/12
REHAB 689	P- Spinal Cord Injury	Seattle, WA	8/12
REHAB 697	P- Rehabilitation Medicine Special Elective	Outside WWAMI	*, max. 24
REHAB 699	P- WWAMI Rehabilitation Medicine Special Elective	Inside WWAMI	*, max. 24

## REHABILITATION MEDICINE Elective Clerkships

Department website: <http://rehab.washington.edu/education/medstudent/default.asp>

Courses Offered in:					
Alaska	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
		REHAB 685, 687, & 689			REHAB 697 & 699

### REHAB 685 P- Chronic Disease and Disability (4) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisites:</b>	Permission of department. Third year medical student standing.
<b>Compliance Requirement(s):</b>	VA: Requires extensive credentialing paperwork.
<b>Enrollment:</b>	Variable. Based on preceptor availability.
<b>Clerkship Coordinator:</b>	Teresa Jewell, 206-616-6345, tejewell@u.washington.edu
<b>Director:</b>	Tom McNalley, 206987-2114, mcnalley@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC Rehabilitation Medicine, HMC, Seattle Children's Rehabilitation Medicine, VAMC Rehabilitation Medicine Services
<b>Housing Available:</b>	Contact the Department of Rehabilitation Medicine; HSB BB928, 206-616-6345
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

#### **Description:**

This is a two-week rehabilitation clerkship and is intended for those interested in exploring a career in Physical Medicine and Rehabilitation. Sites are within the University system and local Seattle area. Site preferences can be indicated but are not guaranteed. Please contact the clerkship coordinator for site preferences. This course is recommended for students contemplating a career in Family Medicine, Internal Medicine, Rheumatology, Cardiology, Neurology, Geriatrics, Orthopedic Surgery, Neurosurgery, or Cardiovascular Surgery.

#### **Goals:**

The goal of this rotation is to learn inpatient PM&R management of patients with disabilities and functional impairments due to disorders such as acquired BI, CNS disorders, SCI, and complex medical conditions. Students will have a structured clinical experience on rehabilitation medicine wards, clinics, or consultation services. Students will learn the differences between acute and chronic medicine, identification of disability problems, and therapeutic techniques for removing disability.

#### **Objectives:**

##### **1. Patient Care**

- Perform a general and specific psychiatric examination, including (as appropriate): mental status evaluation, gait evaluation, manual muscle testing, ASIA exam;
- Diagnose physical, cognitive, and psychosocial impairments and disabilities;
- Formulate a problem list, prioritizing medical and rehabilitation issues;
- Integrate facts and data to make clinical decisions.

##### **2. Medical Knowledge**

- Review laboratory data and imaging data and identify normal and abnormal findings,
- Name expected effects and side effects for commonly used oral or injected medications,
- Generate a differential diagnosis for medical or PM&R problems,
- Integrate and apply knowledge to manage complex medical problems,
- Integrate and apply knowledge to manage complex PM&R problems.

### 3. Practice Based Learning and Improvement

- Identify strengths, deficiencies and limits in own knowledge and expertise,
- Use information technology and other resources to optimize learning,
- Attend teaching conferences and rounds.

### 4. Interpersonal and Communication Skills

- Present material clearly and accurately to patients using effective verbal and non-verbal skills, utilizing interpreters if needed;
- Utilize effective listening skills;
- Communicate with physicians, staff/team, and insurers in respectful, responsive manner;
- Complete dictations and chart notes in a timely manner;
- Document clinical findings in accordance with service requirements;
- Use information technology to access and manage patient information.

### 5. Professionalism

- Exemplify respect, compassion, reliability, punctuality, integrity and honesty;
- Demonstrate responsiveness to patient needs that supersedes self-interest;
- Accept responsibility for own actions and decisions;
- Maintain patient confidentiality and respect patient autonomy;
- Apply ethical principles in obtaining informed consent;
- Demonstrate sensitivity and responsiveness to age, culture, disability, race, religion, sexual orientation and gender of patients and colleagues.

### 6. Systems Based Practice

- Collaborate with and maintain appropriate professional attitudes and behaviors toward other medical professionals and allied health personnel,
- Assess how own actions affect others,
- Integrate care of patients across settings and ensure appropriate hand off,
- Evaluate risks, benefits, limitations, and costs of patient care,
- Advocate for patients in dealing with system complexities,
- Advocate for quality patient care,
- Work effectively with other services, health care agencies, and case managers,
- Work to improve the system of care.

#### **Evaluation:**

Honors, High Pass, Pass, and Fail. Based on recommendation of preceptor.

### **REHAB 687 P- Rehabilitation Medicine Clerkship (8/12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisites:</b>	Permission of department. Third- year medical students.
<b>Compliance Requirement(s):</b>	VA: Requires extensive credentialing paperwork.
<b>Enrollment:</b>	Variable. Based on preceptor availability.
<b>Clerkship Coordinator:</b>	Teresa Jewell, 206-616-6345, tejewell@u.washington.edu
<b>Director:</b>	Tom McNalley, 206987-2114, mcnalley@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC Rehabilitation Medicine, HMC, Seattle Children's Rehabilitation Medicine, VAMC Rehabilitation Medicine Services
<b>Housing Available:</b>	Contact the Department of Rehabilitation Medicine; HSB BB928, 206-616-6345
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

#### **Description:**

This is a four-week rehabilitation clerkship and is intended for those interested in exploring a career in Physical Medicine and Rehabilitation. Sites are within the University system and local Seattle area. Site preferences can be indicated but are not guaranteed. Please contact the clerkship coordinator for site preferences. This course incorporates material of REHAB 685 and expands into disability problems.

This course is recommended for students contemplating a career in Family Medicine, Internal Medicine, Rheumatology, Cardiology, Neurology, Geriatrics, Orthopedic, Neurosurgery, or Cardiovascular Surgery.

**Goals:**

The goal of this rotation is to learn inpatient PM&R management of patients with disabilities and functional impairments due to disorders such as acquired BI, CNS disorders, SCI, and complex medical conditions. Students will have a structured clinical experience on rehabilitation medicine wards, clinics, or consultation services. Students will learn the differences between acute and chronic medicine, identification of disability problems, and therapeutic techniques for removing disability.

**Objectives:**

**1. Patient Care**

- Perform a general and specific psychiatric examination, including (as appropriate): mental status evaluation, gait evaluation, manual muscle testing, ASIA exam
- Diagnose physical, cognitive, and psychosocial impairments and disabilities
- Formulate a problem list, prioritizing medical and rehabilitation issues
- Integrate facts and data to make clinical decisions

**2. Medical Knowledge**

- Review laboratory data and imaging data and identify normal and abnormal findings
- Name expected effects and side effects for commonly used oral or injected medications
- Generate a differential diagnosis for medical or PM&R problems
- Integrate and apply knowledge to manage complex medical problems
- Integrate and apply knowledge to manage complex PM&R problems

**3. Practice Based Learning and Improvement**

- Identify strengths, deficiencies and limits in own knowledge and expertise
- Use information technology and other resources to optimize learning
- Attend teaching conferences and rounds

**4. Interpersonal and Communication Skills**

- Present material clearly and accurately to patients using effective verbal and non-verbal skills, utilizing interpreters if needed
- Utilize effective listening skills
- Communicate with physicians, staff/team, and insurers in respectful, responsive manner
- Complete dictations and chart notes in a timely manner
- Document clinical findings in accordance with service requirements
- Use information technology to access and manage patient information

**5. Professionalism**

- Exemplify respect, compassion, reliability, punctuality, integrity and honesty
- Demonstrate responsiveness to patient needs that supersedes self-interest
- Accept responsibility for own actions and decisions
- Maintain patient confidentiality and respect patient autonomy
- Apply ethical principles in obtaining informed consent
- Demonstrate sensitivity and responsiveness to age, culture, disability, race, religion, sexual orientation and gender of patients and colleagues

**6. Systems Based Practice**

- Collaborate with and maintain appropriate professional attitudes and behaviors toward other medical professionals and allied health personnel
- Assess how own actions affect others
- Integrate care of patients across settings and ensure appropriate hand off
- Evaluate risks, benefits, limitations, and costs of patient care
- Advocate for patients in dealing with system complexities
- Advocate for quality patient care
- Work effectively with other services, health care agencies, and case managers
- Work to improve the system of care

**Evaluation:**

Honors, High Pass, Pass, and Fail. Based on recommendation of preceptor.

## REHAB 689 P- Spinal Cord Injury (8/12) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisites:</b>	Completion of MED 665, SURG 665. Permission of department.
<b>Compliance Requirement(s):</b>	<b>Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Enrollment:</b>	Variable. Based on preceptor availability.
<b>Clerkship Coordinator:</b>	Teresa Jewell, 206-616-6345, tejewell@u.washington.edu
<b>Director:</b>	Tom McNalley, 206987-2114, mcnalley@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: VA Medical Center
<b>Housing Available:</b>	Contact the Department of Rehabilitation Medicine; HSB BB928, 206-616-6345
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

### **Description:**

This is a four-week spinal cord injury clerkship and is intended for those interested in exploring a career in Physical Medicine and Rehabilitation. This clerkship is available at the VA Medical Center only. Students will see patients with acute injuries and will follow them as they progress through rehabilitation in order to function at a maximal level. Patients will also have chronic injuries with hospitalization for rehabilitation or for management of conditions such as neurogenic bladder, bowel, pressure ulcers, spasticity, pain or other medical conditions. This course is recommended for students contemplating a career in Urology, Neurosurgery, Plastic Surgery, Orthopedics, or Family Medicine.

### **Goals:**

Students will be introduced to the diagnosis, management, and rehabilitation of patients who have experienced a spinal cord injury. Students will learn to interact with the rehabilitation team as well as the Spinal Cord Injury sub-specialists in Urology, Neurosurgery, and Plastic Surgery. Performance at sub-intern level is expected.

### **Objectives:**

#### **1. Patient Care**

- Perform a general and specific psychiatric examination, including (as appropriate): mental status evaluation, gait evaluation, manual muscle testing, ASIA exam
- Diagnose physical, cognitive, and psychosocial impairments and disabilities
- Formulate a problem list, prioritizing medical and rehabilitation issues
- Integrate facts and data to make clinical decisions

#### **2. Medical Knowledge**

- Review laboratory data and imaging data and identify normal and abnormal findings
- Name expected effects and side effects for commonly used oral or injected medications
- Generate a differential diagnosis for medical or PM&R problems
- Integrate and apply knowledge to manage complex medical problems
- Integrate and apply knowledge to manage complex PM&R problems

#### **3. Practice Based Learning and Improvement**

- Identify strengths, deficiencies and limits in own knowledge and expertise
- Use information technology and other resources to optimize learning
- Attend teaching conferences and rounds

#### **4. Interpersonal and Communication Skills**

- Present material clearly and accurately to patients using effective verbal and non-verbal skills, utilizing interpreters if needed
- Utilize effective listening skills
- Communicate with physicians, staff/team, and insurers in respectful, responsive manner
- Complete dictations and chart notes in a timely manner
- Document clinical findings in accordance with service requirements
- Use information technology to access and manage patient information

## 5. Professionalism

- Exemplify respect, compassion, reliability, punctuality, integrity and honesty
- Demonstrate responsiveness to patient needs that supersedes self-interest
- Accept responsibility for own actions and decisions
- Maintain patient confidentiality and respect patient autonomy
- Apply ethical principles in obtaining informed consent
- Demonstrate sensitivity and responsiveness to age, culture, disability, race, religion, sexual orientation and gender of patients and colleagues

## 6. Systems Based Practice

- Collaborate with and maintain appropriate professional attitudes and behaviors toward other medical professionals and allied health personnel
- Assess how own actions affect others
- Integrate care of patients across settings and ensure appropriate hand off
- Evaluate risks, benefits, limitations, and costs of patient care
- Advocate for patients in dealing with system complexities
- Advocate for quality patient care
- Work effectively with other services, health care agencies, and case managers
- Work to improve the system of care

### Evaluation:

Honors, High Pass, Pass, and Fail. Based on recommendation of preceptor.

## REHAB 697 P- Rehabilitation Medicine Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time.
<b>Prerequisites:</b>	Fourth- year medical students. Permission from department. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Enrollment:</b>	Variable. Student arranged.
<b>Clerkship Coordinator:</b>	Teresa Jewell, 206-616-6345, tejewell@u.washington.edu
<b>Director:</b>	Tom McNalley, 206987-2114, mcnalley@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Rehabilitation Medicine; HSB BB928, 206-616-6345
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

### Description:

This is a four to twelve-week rehabilitation clerkship and is intended for those interested in exploring a career in Physical Medicine and Rehabilitation. Students arrange with another university, outside of the WWAMI region, with prior consultation of the course and department directors, whom grant final approval, is necessary.

### Objectives: (each site may emphasize different objectives):

Student should define three learning objectives and submit to the clerkship coordinator at least one month prior to the beginning of the quarter.

### Evaluation:

Completion of "Credit for Clerkship Away" form from the Dean's Office.

## **REHAB 699 P- WWAMI Rehabilitation Medicine Special Electives ( \*, max 24)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; full-time.
<b>Prerequisites:</b>	Fourth- year medical students. Permission from department. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Enrollment:</b>	Variable. Based on preceptor availability.
<b>Clerkship Coordinator:</b>	Teresa Jewell, 206-616-6345, tejewell@u.washington.edu
<b>Director:</b>	Tom McNalley, 206987-2114, mcnalley@uw.edu
<b>Clerkship Site(s):</b>	Various inside WWAMI
<b>Housing Available:</b>	Contact the Department of Rehabilitation Medicine; HSB BB928, 206-616-6345
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

### **Description:**

This is a four to twelve-week rehabilitation clerkship and is intended for those interested in exploring a career in Physical Medicine and Rehabilitation. Students consult with clerkship coordinator for placement options within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

### **Objectives** (each site may emphasize different objectives):

Student should define three learning objectives and submit to the clerkship coordinator at least one month prior to the beginning of the quarter.

### **Evaluation:**

Completion of "*Credit for Clerkship in WWAMI*" form from the Dean's Office.

# SURGERY

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Number	Clerkship Title	Location	Credits
SURG 642	P- Rural Surgery Clerkship Pullman	Pullman, WA	8
SURG 644	P- Rural Surgery Clerkship Lewiston (*not offered 2014-2015)	Lewiston, ID	8
SURG 646	P- Rural Surgery Clerkship Gillette	Gillette, WY	8
SURG 647	P- Rural Surgery Clerkship Powell	Powell, WY	8
SURG 648	P- Rural Surgery Clerkship Libby	Lewiston, MT	8
SURG 649	P- Rural Surgery Clerkship Lewistown	Lewiston, MT	8
SURG 650	P- Rural Surgery Clerkship Twin Falls	Twin Falls, ID	8
SURG 652	P- Plastic Surgery Clerkship Spokane	Spokane, WA	8
SURG 653	P- Pediatrics Surgery Clerkship Spokane	Spokane, WA	8
SURG 654	P- Cardiothoracic Surgery Spokane	Spokane, WA	4/8
SURG 656	P- Trauma/Acute Care Surgery Boise	Boise, ID	8
SURG 657	P- Vascular Surgery Spokane	Spokane, WA	4/8
SURG 658	P- Ambulatory Surgery Clerkship Mary Bridge	Tacoma, WA	4
SURG 659	P- Ambulatory Surgery Clerkship Madigan	Tacoma, WA	4
SURG 661	P- Surgical Intensive Care Unit Subinternship	Seattle, WA	8
SURG 662	P- Community Surgery Clerkship Longview	Longview, WA	8
SURG 664	P- Subinternship in General Surgery VAMC	Seattle, WA	*, max. 16
SURG 682	P- Clinical Burn Care	Seattle, WA	*, max. 12
SURG 683	P- Pediatric Surgery Externship	Seattle, WA	*, max. 12
SURG 685	P- Cardiothoracic Surgery Clerkship	Seattle, WA	*, max. 12
SURG 686	P-Plastic Surgery Clerkship & Preceptorship	Seattle, WA	*, max. 12
SURG 687	P- Transplantation Surgery Clerkship	Seattle, WA	8
SURG 688	P- General Surgery Subinternship	Seattle, WA	*, max. 12
SURG 689	P- Community Surgery Clerkship Coeur d' Alene	Coeur d' Alene, ID	8
SURG 690	P- Alaska Native Medical Center Surgery Subinternship	Anchorage, AK	8/12
SURG 691	P- Surgical Intensive Care Unit Subinternship HMC	Seattle, WA	8
SURG 692	P- Ambulatory Surgery Clerkship Children's	Seattle, WA	4
SURG 693	P- Rural Surgery Clerkship Buffalo	Buffalo, WY	8
SURG 694	P- Rural Surgery Clerkship Riverton	Riverton, WY	8
SURG 695	P- vascular Thoracic Surgery	Seattle, WA	*, max. 12
SURG 696	P- Breast Surgery Spokane	Spokane, WA	4/8
SURG 697	P- Surgery Special Electives	Outside WWAMI	*, max. 24
SURG 699	P- WWAMI Special Electives	Inside WWAMI	*, max. 24

# SURGERY

## Elective Clerkships

Department website: <http://depts.washington.edu/surgstus/>

Courses Offered in:						
Alaska	Idaho	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
SURG 690	SURG 650, 656, & 689  SURG 644 *not offered 2014-2015	SURG 648, & 649	SURG 658, 659, 661, 662, 664, 682, 683, 685, 686, 687, 688, 691, 692, & 695	SURG 642, 652, 653, 654, 657, & 696	SURG 646, 647, 693, & 694	SURG 697 & 699

### SURG 642 P- Rural Surgery Pullman (8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med and Surg required clerkship.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Pullman, WA: Palouse Surgeons LLC
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

#### Goals and Objectives:

- To experience a wide variety of surgical problems and cases at a rural site at the level of a senior medical student.
- During the 4 week clerkship, be able to identify and describe the most common surgical problems presenting in the particular community to which you are assigned.
- Demonstrate the ability to perform a focused history and physical examination on the surgical or potentially surgical patient, including the development of an appropriate differential diagnosis and the formulation of a plan for further workup, preoperative preparation, and operative management as indicated.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.
- At the completion of the clerkship experience, be able to describe the particular challenges of surgery in a relatively rural setting with respect to workup, management, and specialized patient referral.

#### Evaluation:

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4<sup>th</sup> year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**NOTE:** Transportation and lodging for this elective rotation will be the responsibility of the student. Certain locations have some limited resources available on request.

**SURG 644 P- Rural Surgery Lewiston, ID (8) credits** \* (not offered 2014-2015)

**SURG 650 P- Rural Surgery Twin Falls (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med and Surg required clerkship. For Surg 644 strong recommendation that three quarters of required clerkships are completed.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Lewiston, ID: Valley Medical Center Twin Falls, ID: St. Luke's Magic Valley Center
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Permission from department required for SURG 650.
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- To experience a wide variety of surgical problems and cases at a rural site at the level of a senior medical student.
- During the 4 week clerkship, be able to identify and describe the most common surgical problems presenting in the particular community to which you are assigned.
- Demonstrate the ability to perform a focused history and physical examination on the surgical or potentially surgical patient, including the development of an appropriate differential diagnosis and the formulation of a plan for further workup, preoperative preparation, and operative management as indicated.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.
- At the completion of the clerkship experience, be able to describe the particular challenges of surgery in a relatively rural setting with respect to workup, management, and specialized patient referral.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4<sup>th</sup> year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**NOTE:** Transportation and lodging for this elective rotation will be the responsibility of the student. Certain locations have some limited resources available on request.

**SURG 646 P- Rural Surgery Gillette (8) credits**

**SURG 647 P- Rural Surgery Powell (8) credits**

**SURG 693 P- Rural Surgery Buffalo (8) credits**

**SURG 694 P- Rural Surgery Riverton (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med and Surg required clerkship.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Gillette, WY: Rodney C. Biggs MD, PC Powell, WY: Powell Valley Clinic Buffalo, WY: Johnson County Healthcare Center

	Riverton, WY: Riverton Memorial Hospital
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- To experience a wide variety of surgical problems and cases at a rural site at the level of a senior medical student.
- During the 4 week clerkship, be able to identify and describe the most common surgical problems presenting in the particular community to which you are assigned.
- Demonstrate the ability to perform a focused history and physical examination on the surgical or potentially surgical patient, including the development of an appropriate differential diagnosis and the formulation of a plan for further workup, preoperative preparation, and operative management as indicated.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.
- At the completion of the clerkship experience, be able to describe the particular challenges of surgery in a relatively rural setting with respect to workup, management, and specialized patient referral.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4<sup>th</sup> year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**NOTE:** Transportation and lodging for this elective rotation will be the responsibility of the student. Certain locations have some limited resources available on request.

**SURG 648 P- Rural Surgery Libby (8) credits**

**SURG 649 P- Rural Surgery Lewistown (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Med and Surg required clerkship.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Libby, MT : Lance Ercanbrack, St. Johns Physicians & Surgeons Group Lewistown, MT: Medical Arts Building
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- To experience a wide variety of surgical problems and cases at a rural site at the level of a senior medical student.
- During the 4 week clerkship, be able to identify and describe the most common surgical problems presenting in the particular community to which you are assigned.
- Demonstrate the ability to perform a focused history and physical examination on the surgical or potentially surgical patient, including the development of an appropriate differential diagnosis and the formulation of a plan for further workup, preoperative preparation, and operative management as indicated.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.
- At the completion of the clerkship experience, be able to describe the particular challenges of surgery in a relatively rural setting with respect to workup, management, and specialized patient referral.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4<sup>th</sup> year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**NOTE:** Transportation and lodging for this elective rotation will be the responsibility of the student. Certain locations have some limited resources available on request.

**SURG 652 P- Plastic Surgery Clerkship Spokane (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship. Permission from department
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: L. Elizabeth Peterson Plastic Surgery
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- Discuss the workup and management of facial trauma, burns, cleft lip and cleft palate, head and neck cancer, skin tumors, and surgical problems of the hand.
- Demonstrate the ability to perform a focused history and physical examination emphasizing the skin and soft tissues.
- Discuss fundamental techniques of plastic surgery, including the use of skin grafts, pedicled and free flaps, microvascular techniques, and management of complex wounds.
- In the operating room, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.
- At the completion of the clerkship experience, be able to identify conditions that warrant referral to a plastic and reconstructive surgeon.

**SURG 653 P- Pediatric Surgery Spokane (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship. Permission from department
<b>Compliance Requirement(s):</b>	General orientation, acceptable use agreement, health care passport.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Sacred Heart Children's Hospital
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- Gain exposure to surgical conditions peculiar to the youth age group with a preponderance of various congenital and neoplastic conditions.
- Participate in patient care (including diagnosis, preoperative and postoperative care)
- Further develop knowledge of surgical disease and enhance the ability to manage comprehensively the problems encountered in pediatric patients.

### **SURG 654 P- Cardiothoracic Surgery Spokane (4/8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship. Fourth-year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Northwest Heart & Lung Surgical Associates
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

#### **Goals and Objectives:**

- Further develop knowledge of cardiothoracic disease and enhance the ability to manage comprehensively the problems encountered in cardiac and thoracic surgery patients.
- Participate in patient care (including diagnosis, preoperative and postoperative care) and learn about the cardiopulmonary hemodynamics.
- Gain exposure to a wide variety of both cardiac and thoracic disease entities and participate in both open heart and thoracic procedures in the operating room.
- Develop polished skills in the clinical assessment of vascular heart disease and the EKG diagnosis of arrhythmias

### **SURG 656 P- Trauma / Acute Care Surgery Boise (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Boise, ID: St Alphonsus Regional Medical Center
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

The student functions as a subintern and directly assists on the service and is an integral part of the team at St. Alphonous Trauma Services.

### **SURG 657 P- Vascular Surgery Spokane (4/8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship. Permission from department
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Inland Vascular Institute
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes

<b>Surgical Selective:</b>	Yes
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Student spends two or four weeks at the Vascular Institute in Spokane. The student functions as a subintern and directly assists on the service and is an integral part of the team.

**[SURG 658 P- Ambulatory Surgery Clerkship Mary Bridge \(4\) credits](#)**  
**[SURG 659 P- Ambulatory Surgery Clerkship Madigan \(4\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship.
<b>Compliance Requirement(s):</b>	<b>Madigan: Credentialing Paperwork must be submitted 90 days prior to rotation start date.</b> Mary Bridge: Drug testing, 6 panel oral swab
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Tacoma, WA: Mary Bridge Children's Hospital & Madigan Army Medical Center
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- Recognize and discuss the common ambulatory problems common to the surgical specialty. This includes the ability to formulate a differential diagnosis and development of a plan to establish the diagnosis.
- Identify and differentiate acute problems needing immediate attention by a surgeon and those that are more chronic in nature.
- Outline a plan of management for these patients.
- At the completion of the clerkship experience, be able to identify conditions that warrant referral to a pediatric surgeon and differentiate them from those that may be managed by the primary care physician.
- In the clinic, demonstrate and sharpen skills in basic surgical techniques such as excision of cutaneous and subcutaneous lesions, knot-tying, suturing, and limited dissection.

**[SURG 661 P- Surgical Intensive Care Unit Subinternship \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship.
<b>Compliance Requirement(s):</b>	<b>Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: VA Medical Center
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

Designed to augment experience gained in SURG 665. Excellent opportunity to participate in the management of critically ill patients under the close supervision of the staff/house staff. Recommended for students entering surgery or primary care.

**[SURG 662 P- Community Surgery Clerkship Longview \(8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship. Permission from department.

<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Longview, WA: Peace Health St. John Medical Center
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Designed to supplement basics learned in SURG 665. Excellent opportunity to participate in general, thoracic, vascular, and plastic surgery in a group practice in a smaller city. Recommended for students entering primary care.

### **SURG 664 P- Subinternship in General Surgery (\*, max. 16) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship.
<b>Compliance Requirement(s):</b>	<b>Requires extensive credentialing paperwork</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	2 students per rotation
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: VA Medical Center
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

#### **Goals and Objectives:**

- Expand knowledge of surgical disease and enhance the ability to manage comprehensively the problems encountered in surgical patients
- Participate in patient care (emphasizing diagnosis, preoperative and postoperative care)
- Manage surgical emergencies and outpatient follow-up of discharged patients
- Develop polished, clinical skills in dealing with medical and surgical problems

### **SURG 682 P- Clinical Burn Care (\*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 week full-time.
<b>Prerequisite:</b>	Surg and Med third year clerkships (Surgery 665). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

#### **Goals and Objectives:**

- Demonstrate familiarity with patients with thermal injury and skin sloughing disorders and be involved in their overall care from admission through reconstruction;
- Participate in the management of the metabolic and critical care issues encountered by severely ill patients;
- Actively participate in surgical procedures;

- Develop technical care aspects including subclavian line insertion, respiratory care, Swan-Ganz catheters and cardiac output, etc;
- Actively participate in ER consultation.

**General:**

The Burn Center at Harborview Medical Center is one of the largest burn centers in the world. It admits more than 600 patients per year and serves as a referral center for a four-state area. (WA, ID, MT and AK) In addition to two senior students, a third-year general surgery resident, two general surgery interns, and a burn Fellow are also on staff. Average census varies from 19-23 patients with an average burn size of 11%. As a subintern, the student will participate fully in the care of all burn patients and will be assigned specific patients as they are admitted during his/her rotation. He/She will be closely supervised, but will have major responsibility in his/her day-to-day care and complement of nursing staff, physical therapy, occupational therapy, social service, rehabilitation medicine and other interested parties. Students will be on call every third night and will be responsible for patients admitted during their on-call days.

**Presentations:**

At the end of the rotation, the student will give a short oral presentation on a topic of choice related to burn injury.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4<sup>th</sup> year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**NOTE:** The activities of the Burn Center are closely allied to the plastic surgery service at HMC, so the student will be exposed to plastic surgery as well during the rotation. Therefore, there is an emphasis on the management of wounds and soft tissue lesions.

**SURG 683 P- Pediatric Surgery Externship ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Surg and Med third year clerkship (Surgery 665). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- Recognize and discuss some of the ambulatory problems common to the pediatric surgery,
- Develop an approach to the assessment of these problems,
- Clarify the appropriate use of imaging modalities in assessing these problems,
- Develop knowledge of when a problem might be managed by the primary care doctor versus when a problem is best referred to a surgical specialist.

**General:**

Students participating in the elective clerkship of Pediatric Surgery will be based primarily at Seattle Children's Hospital. It is desirable that students who plan to take this elective prepare themselves by acquiring a reasonable background of knowledge in human embryology and genetics.

**Presentations:**

At the end of the rotation the student will be asked to give a short oral presentation on a topic of choice related to pediatric surgery.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4th year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**SURG 685 P- Cardiothoracic Surgery Clerkship ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med third year clerkship (Surgery 665). Third- and fourth-year medical students
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**General:**

The student will serve as a sub-intern at University Hospital, functioning at the intern level under close supervision of the staff and house staff. This course will provide a chance for the student to use clinical skills in dealing with the medical as well as surgical problems of the patient with heart and lung disease, participate in a variety of cardiac and thoracic operations, and will permit the student to assume added responsibility in preparation for internship.

**Goals and Objectives:**

- Discuss relevant issues in cardiothoracic pathophysiology,
- Develop diagnostic strategies for patients with cardiac and thoracic surgical problems,
- Develop appropriate management plans for problems encountered in cardiac and thoracic surgery patients,
- Outline preoperative and postoperative care for cardiac and thoracic surgical patients,
- Be able to discuss cardiopulmonary hemodynamics,
- Demonstrate polished skills in the clinical assessment of valvular heart disease and the EKG diagnosis of arrhythmias,
- Develop an understanding of cardiac and thoracic operative anatomy and physiology.

**Presentations:**

At the end of the rotation the student will be asked to give a short oral presentation on a topic of choice related to cardiothoracic surgery.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4th year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**SURG 686 P- Plastic Surgery Clerkship & Preceptorship ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med third year clerkship (Surgery 665). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation
<b>Total Enrollment:</b>	4 students per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: rotate through UWMC, HMC, Seattle Children's Hospital, and VAMC

<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**General:**

This course is divided up into two rotations. One is at Harborview Medical Center & the Veteran's Affairs Medical Center, and the other rotation is at the University of Washington Medical Center and Seattle Children's Hospital.

**Goals and Objectives:**

- Develop knowledge of the fundamental techniques of plastic surgery, particularly with regard to wound management;
- Gain exposure to the broad spectrum of topics related to Plastic Surgery, including facial trauma, burns, cleft lip and cleft palate, head and neck cancer, cosmetic surgery, skin tumors, hand surgery, and general reconstructive surgery.

**Schedule:**

There is no specific call schedule, but the student will carry a beeper and will be contacted for interesting and instructive cases whenever they arise.

**Presentations:**

At the end of the rotation the student will be asked to give a short oral presentation on a topic of choice related to plastic surgery.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4th year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**SURG 687 P- Transplantation Surgery Clerkship (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med third year clerkship (Surgery 665). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**General:**

Student responsibilities will be commensurate to an intern level. The student will assist with work rounds and is encouraged to attend all teaching conferences. In addition, the student will be provided a beeper and have the chance to fly to Alaska, Montana, Idaho, & Washington with the organ procurement team.

**Goals and Objectives:**

- Expand knowledge of immunology, operative surgical anatomy, and ICU care through the complex management of the patient with end-stage organ failure;
- Participate in the care of liver, kidney, and pancreas transplant patients.

**Presentations:**

At the end of the rotation the student will be asked to give a short oral presentation on a topic of choice related to solid organ transplantation.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4th year surgical electives. Evaluation and feedback will come at the end of each two-week period.

### **SURG 688 P- General Surgery Subinternship ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med third year clerkship (Surgery 665). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

#### **Goals and Objectives:**

- Expand knowledge of surgical disease and enhance the ability to manage comprehensively the problems encountered in surgical patients,
- Participate extensively in patient care (emphasizing diagnosis, preoperative and postoperative care),
- Manage surgical emergencies and outpatient follow-up of discharged patients,
- Develop polished, clinical skills in dealing with medical and surgical problems.

#### **Conferences:**

Students will function at the intern level under close supervision of the staff and house staff. The sub-intern will attend all operative procedures on his/her assigned patients and will participate in all rounds and teaching conferences. It should be of value as preparation for internship, particularly for those students pursuing a surgical career.

#### **Presentations:**

At the end of the rotation the student will be asked to give a short oral presentation on a topic of choice related to general surgery.

#### **Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4th year surgical electives. Evaluation and feedback will come at the end of each two-week period.

### **SURG 689 P- Community Surgery Clerkship Coeur d' Alene (8) credits**

<b>Offered:</b>	AUT WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med required clerkship (Surgery 665). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Transportation:</b>	Car required.
<b>Clerkship Site(s):</b>	Coeur d' Alene, ID: Kootenai Surgery Associates
<b>Housing Available:</b>	Not provided. Certain locations have some limited resources available on request.
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

**General:**

This exposure is designed to build on the previous basics learned in Surgery 665, the required third-year rotation. It would be especially helpful to anyone considering either primary care or a surgical specialty. Instructors will be board-eligible/board-certified surgeons in group practices who exemplify the state of the art of general surgery in a community setting.

**Goals and Objectives:**

- Participate in all phases of patient evaluation and care in a non-metropolitan practice location;
- Gain exposure to a wide variety of patient problems that span the entire repertoire of general surgery including gastrointestinal, oncologic, endocrine, vascular, thoracic, and some plastic/reconstructive surgery.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4<sup>th</sup> year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**SURG 690 P- Alaska Native Medical Center Surgery Sub-internship (8/12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg and Med third year clerkship (Surgery 665). Permission from department. Fourth-year medical students only.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Anchorage, AK: Alaska Native Medical Center
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

**General:**

The surgery service at the Alaska Native Medical Center (ANMC) provides both in- and out-patient care to the Alaska Native population of all ages. It serves as a referral center for the Anchorage area directly through its primary care physicians and for other outlying hospitals in the state. All types of surgical problems receive definitive care at the ANMC, including general, non-cardiac thoracic, vascular, urologic, and neurosurgical problems. There are four board-certified general surgeons and two surgical residents from the Phoenix Integrated Surgery Program on the staff. The fourth-year medical student would perform at a subintern level and be expected to participate in all aspects of patient care. Stipends are available for travel and lodging.

**Goals and Objectives:**

- Participate in all phases of surgical patient care (including diagnosis, preoperative and postoperative care) within a specialized population.

**Conferences:**

The student would be expected to participate in monthly Morbidity and Mortality conferences as well as the Journal Club.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4<sup>th</sup> year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**SURG 691 P- Surgical Intensive Care Unit Sub-internship HMC (8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
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<b>Prerequisite:</b>	Surg and Med required clerkship (Surgery 665). Fourth-year medical students only.
<b>Compliance Requirement(s)</b>	Varies, please contact department.
<b>Total Enrollment:</b>	5 students per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle WA: HMC
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**General:**

Students participate in the management of critically ill patients under the close supervision of the attending staff and house staff and participate in teaching rounds twice daily. This experience should prove invaluable to anyone considering a career in either surgery or primary care.

**Goals and Objectives:**

- Gain in-depth exposure to surgical critical care,
- Demonstrate understanding of physiologic principles and their application to management of critical illness.

**Presentation:** An oral presentation is required.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4th year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**SURG 692 P- Ambulatory Surgery Clerkship Children's (4) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM 2 weeks full-time.
<b>Prerequisite:</b>	Surg third year clerkship (Surgery 665).
<b>Compliance Requirement(s)</b>	Varies, please contact department.
<b>Total Enrollment:</b>	3 students per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Seattle Children's Hospital
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals:**

The aim of each two week ambulatory rotation will be to increase the student's ability as a primary care physician to recognize and form an initial plan of management for common surgical problems seen in the outpatient setting.

**Objectives:**

- The student will be able to recognize and discuss the common ambulatory problems common to general and/or pediatric surgery (depending on clerkship site). This includes the ability to formulate a differential diagnosis and development of a plan to establish the diagnosis.
- The student will be able to identify and differentiate acute problems needing immediate attention by a surgeon and those that are more chronic in nature.
- The student will be able to outline a plan of management for these patients including the knowledge of when the problem might be managed by the primary care doctor and when it is best referred to a surgical specialist.

**Schedule:**

Monday through Friday from 8-5. No weekends / no call. Students will see patients in clinic and then present them to the attending surgeon for review and discussion. Students will be prompted to formulate their own diagnosis and plan. Students will attend surgical procedures as deemed applicable. Educational content will be provided 5 days each week. The schedule may vary depending on the site.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4th year surgical electives. Evaluation and feedback will come at the end of the two-week period.

**SURG 695 P- Vascular Thoracic Surgery ( \*, max 12) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Surg third year clerkship (Surgery 665). Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	3 students per rotation.
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: HMC
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

**Goals and Objectives:**

- To experience a wide variety of vascular and thoracic surgical problems and cases at the level of a senior medical student.
- During the 4 week clerkship, be able to identify and describe the most common vascular and thoracic surgical problems seen in the community.
- Demonstrate the ability to perform a focused history and physical examination on the surgical or potentially surgical patient, including the development of an appropriate differential diagnosis and the formulation of a plan for further workup, preoperative preparation, and operative management as indicated.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.
- At the completion of the clerkship experience, be able to describe the particular challenges in vascular and thoracic surgery with respect to workup, management, and specialized patient referral.

**Evaluation:**

Students will be evaluated using the standard University of Washington School of Medicine evaluation form currently used for 4<sup>th</sup> year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**SURG 696 P- Breast Surgery Spokane (4/8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Surg required clerkship. Permission of department.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	By Arrangement
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Spokane Breast Center
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Student functions as a subintern directly assisting on the service and is an integral part of the team.

### **SURG 697 P- Surgery Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Permission of department. Surgery 665. Fourth- year medical students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	By Arrangement
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Various outside WWAMI
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

#### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

### **SURG 699 P- WWAMI Special Electives ( \*, max 24) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full-time.
<b>Prerequisite:</b>	Permission of department. Surgery 665. Open to fourth year students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	By Arrangement
<b>Clerkship Coordinator:</b>	Josh Powell, 206-685-0975, powellj7@uw.edu
<b>Director:</b>	Roger Tatum, 206-764-2141, rtatum@uw.edu
<b>Clerkship Site(s):</b>	Various within WWAMI
<b>Housing Available:</b>	Contact the Department of Surgery, HSB BB427, 206-685-0975
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

#### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade

# UROLOGY

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Number	Clerkship Title	Location	Credits
UROL 675	P- Urology Preceptorship	Seattle, WA	*, max. 8
UROL 679	P- Urology Clerkship Boise VA	Boise, ID	*, max. 8
UROL 680	P- Urology Clerkship	Seattle, WA	4, max. 8
UROL 681	P- Female Urology	Seattle, WA	4
UROL 682	P- Urology Clerkship Spokane	Spokane, WA	*, max. 8
UROL 683	P- Urology Clerkship Boise	Boise, ID	*, max. 8
UROL 684	P- Urology Clerkship Billings	Billings, MT	*, max. 8
UROL 685	P- Urology Subinternship	Seattle, WA	*, max. 12
UROL 690	P- Urology Specialties	Seattle, WA	*, max. 8
UROL 697	P- Urology Special Electives	Outside WWAMI	*, max. 24
UROL 699	P- WWAMI Urology Special Electives	Inside WWAMI	*, max. 24

# UROLOGY

## Elective Clerkships

Department website: <http://depts.washington.edu/uroweb/>

Courses Offered in:						
Alaska	Idaho	Montana	Seattle – Northwest WA	Spokane – Eastern WA	Wyoming	WWAMI & Away
	UROL 679, 683	UROL 684	UROL 675, 680, 681, 685, & 690	UROL 682		UROL 697 & 699

### [UROL 675 P- Urology Preceptorship \( \\*, max 8\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	UROL 680. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	Varies, please contact department.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: Various community practices
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

This elective is designed to expose the student interested in private urology or family practice to a typical private practice experience in the community. Preceptors are selected for the activity of their practice, enthusiasm and teaching ability. The student will be expected to participate with the preceptor in all office, surgical and hospital duties.

#### **Goals and Objectives:**

At the end of the clerkship, the student should be able to:

- Recognize urologic problems commonly encountered in community practice
- Obtain an appropriate urologic history for common urologic complaints in the outpatient setting
- Perform an appropriate urologic physical exam
- Understand indications for common urologic procedures
- Initiate an appropriate diagnostic evaluation in patients with common urologic signs and symptoms

### [UROL 679 P- Urology Clerkship Boise VA \( \\*, max. 8\) credits](#)

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Hubio 562. Third- and fourth-year medical students.
<b>Compliance Requirement(s):</b>	<b>Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation start date
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Boise, ID: VA Medical Center
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	No
<b>Surgical Selective:</b>	Yes

## UROL 680 P- Urology Clerkship (4, max 8) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks.
<b>Prerequisite:</b>	Completion of HuBio series. Third/fourth-year medical students. Permission from department.
<b>Compliance Requirement(s):</b>	<b>VA: Requires extensive credentialing paperwork.</b> Credentialing paperwork must be submitted four weeks prior to the rotation start date
<b>Total Enrollment:</b>	4 students per rotation.
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, HMC, SCH, and VAMC
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	SCH, VAMC - yes UWMC, HMC - no
<b>Surgical Selective:</b>	Yes

### **Overview:**

This elective is designed to introduce 3<sup>rd</sup> and 4<sup>th</sup> year medical students to urology, including medical and surgical approaches to urologic disease and management of inpatient, outpatient, and emergency urologic care. Students are expected to function as an integral member of the urology team, and are expected to round with house staff, attend assigned clinics, scrub for surgical procedures, and assist with management of inpatients.

### **Goals and Objectives:**

At the end of the clerkship, the student should be able to:

- Recognize urologic problems commonly encountered in a tertiary care practice
- Obtain an appropriate urologic history for common urologic complaints in the inpatient and outpatient setting
- Perform an appropriate urologic physical exam
- Understand indications for common urologic procedures
- Initiate an appropriate diagnostic evaluation in patients with common urologic signs and symptoms
- Formulate diagnostic and treatment plans
- Interact with house staff, ward administrators, nurses, social workers, therapists, and consultants to achieve good patient outcomes
- Provide medical documentation to support degree of care provided including complete HPI, PMH, PS/FH, ROS, and PE

### **Presentations:**

Informal presentations of urologic topics or journal articles may be assigned during the clerkship.

### **Readings/texts:**

There are no specific reading requirements although we often give the students reading material for their interest. Students are expected to independently read on their own and, in particular, study for their OR cases by reviewing anatomy and reading about the patient's disease. They should review the patient chart so that they are familiar with the history prior to scrubbing into surgery with the team. Urology specific texts are available at each hospital for student use and review.

### **Evaluation for Student:**

Students will be evaluated based on their medical knowledge, data gathering skills, clinical reporting skills, procedural skills, management skills, professionalism, and their ability to integrate these skills into effective patient care.

***Hospital Specific information provided on the following pages.***

## Seattle Children's Hospital

### Schedule:

We round in the morning and in the afternoon. The times are determined on a daily basis and students are expected to attend and pre-round on all of the patients.

### Conferences:

There is a preoperative conference every Monday at 7am sharp. On the third Monday of the each month this preoperative conference is substituted with a pathology conference. There is also a Fellow's Conference that is every Tuesday at 7 am. However, this does not happen in the Summer. Last, there is a Wednesday morning conference from 6:30am-8:30 am (7:30 am start in the Summer) over at the University of Washington. Most of the time the meetings are educational and rarely, when they are administrative, the student will be excused. Otherwise, attendance is expected at all of the meetings/conferences.

## Seattle VA Medical Center

### Schedule:

<b>Monday</b>	<b>AM</b>	Meet for morning patient rounds prior to clinic (Contact chief resident to arrange time and place) 8AM clinic with Dr. John Krieger and Dr. Michael Porter.
<b>Tuesday</b>	<b>AM</b>	Meet for morning patient rounds 8AM to noon: Prostate biopsy clinic with the Chief resident Cystoscopy clinic with the Junior resident
	<b>PM</b>	Xray conference 3pm to 4pm Pathology conference 4pm to 5pm
<b>Wednesday</b>	<b>AM</b>	Urology Grand Rounds at the University of Washington 6:30AM
	<b>AM/PM</b>	Full day in OR after AM conference at UW
<b>Thursday</b>	<b>AM</b>	Meet for morning patient rounds
	<b>AM/PM</b>	Full day in OR Pre-op conference after OR Spinal Cord Injury rounds with Dr. Claire Yang.
<b>FRIDAY</b>	<b>AM</b>	Urology resident/student chapter review at UW 6.30AM
		Clinic with Dr. Claire Yang and Dr. Dan Lin

## Harborview Medical Center

### Schedule:

M-F at 6:30am. Clinic Monday and Friday. OR Tuesday, Wednesday, and Thursday. No call required.

### Conferences:

Preoperative conference Thursdays at HMC.  
Grand rounds Wednesdays at UWMC.  
Resident educational conference Fridays at UWMC.

### Readings/texts:

*Smith's Urology* (can be checked out from Library).

## UROL 681 P- Female Urology (4) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Third/fourth-year medical students. <b>Contact Dr. Jane Miller one week prior to rotation for last minute instructions.</b>
<b>Compliance</b>	Varies, please contact department.

<b>Requirement(s):</b>	
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

### **Goals and Objectives:**

At the end of the clerkship, the student should be able to:

- Discuss pathophysiology and management of common urology problems including urinary incontinence, pelvic prolapse, hematuria, interstitial cystitis
- Obtain an appropriate patient history for patients with urogynecologic symptoms
- Perform a pelvic exam for patients with urogynecologic symptoms

### **Schedule:**

Monday:	Clinic
Tuesday:	Clinic / Urodynamics
Wednesday:	Clinic / Urodynamics
Thursday:	OR
Friday:	OR or Clinic

### **Conferences:**

Thursday: 7AM pre-op conference

### **Presentations:** N/A

### **Readings/texts:**

Articles obtained on 1<sup>st</sup> day of rotation.

### **[UROL 682 P- Urology Clerkship Spokane \( \\*, max 8\) credits](#)**

### **[UROL 683 P- Urology Clerkship Boise \( \\*, max 8\) credits](#)**

### **[UROL 684 P- Urology Clerkship Billings \( \\*, max 8\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	Third/fourth-year medical students.
<b>Compliance Requirement(s):</b>	Rockwood Clinic: Criminal background check & student release form, Drug screen test & student release form, Immunizations, Documentation, & Hospital ID.
<b>Total Enrollment:</b>	Please contact department
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Spokane, WA: Rockwood Clinic Boise, ID: Mountain States Urology Billings, MT: Billings Clinic
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Full activities of clinical service. Basic principles of urology emphasized

### **[UROL 685 P- Urology Subinternship \( \\*, max 12\) credits](#)**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Completion of HuBio series.

<b>Compliance Requirement(s):</b>	<b>VA: requires extensive credentialing paperwork</b> Credentialing paperwork must be submitted four weeks prior to the rotation start date
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, Seattle Children's Hospital, VAMC or HMC
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

This elective is specifically designed for 3<sup>rd</sup> and 4<sup>th</sup> year medical students planning to apply for urology residency. The student electing the subinternship will be responsible for the same activities stated in Urol 680P with the additional duties of managing inpatient workups and therapeutic plans. It is anticipated that he/she will rotate night and emergency calls with the other house officers and will be considered an integral part of the service team. It is expected that the subintern will function as a member of the urology housestaff. The subintern will also be given an opportunity to deliver a 10 minute presentation to the urology department on a urology topic of their choice.

### **Goals and Objectives:**

At the end of the clerkship, the student should be able to:

- Recognize urologic problems commonly encountered in a tertiary care practice
- Obtain an appropriate urologic history for common urologic complaints in the inpatient and outpatient setting
- Perform an appropriate urologic physical exam
- Understand indications for common urologic procedures
- Initiate an appropriate diagnostic evaluation in patients with common urologic signs and symptoms
- Formulate diagnostic and treatment plans
- Interact with house staff, ward administrators, nurses, social workers, therapists, and consultants to achieve good patient outcomes
- Provide medical documentation to support degree of care provided including complete HPI, PMH, PS/FH, ROS, and PE
- Function as an integral member of a tertiary care inpatient urologic surgery team
- Deliver a focused presentation on a urology specific topic

### **UROL 690 P- Urology Specialties ( \*, max 8) credits**

<b>Offered:</b>	AUT, WIN, SPR, SUM; 2 / 4 weeks full-time.
<b>Prerequisite:</b>	UROL 680 + Permission from department
<b>Compliance Requirement(s):</b>	<b>VA: requires extensive credentialing paperwork</b> Credentialing paperwork must be submitted four weeks prior to the rotation start date.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Seattle, WA: UWMC, Seattle Children's Hospital, VAMC, HMC
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	Yes

Elective is designed for those who wish further exposure to a specific aspect of urology. Students can spend time with one attending at UWMC, Harborview, Seattle Children's Hospital, or VAMC studying oncology, infections, infertility, stone disease, impotence or other aspects of urology.

### **Goals and Objectives:**

At the end of the clerkship, the student should be able to:

- Recognize urologic problems specific to the selected urology subspecialty
- Obtain an appropriate urologic history for common urologic complaints in the inpatient and outpatient setting for the selected urology subspecialty
- Perform an appropriate urologic physical exam
- Understand indications for common urologic procedures performed in the selected urology subspecialty
- Initiate an appropriate diagnostic evaluation in patients with common urologic signs and symptoms for the selected urology subspecialty
- Formulate diagnostic and treatment plans
- Interact with house staff, ward administrators, nurses, social workers, therapists, and consultants to achieve good patient outcomes
- Provide medical documentation to support degree of care provided including complete HPI, PMH, PS/FH, ROS, and PE
- Function as an integral member of a tertiary care inpatient urologic surgery team

### UROL 697 P- Urology Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 weeks full-time.
<b>Prerequisite:</b>	Permission from department. Fourth-year medical students. <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Various
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

#### **Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

### UROL 699 P- WWAMI Urology Special Electives ( \*, max 24) credits

<b>Offered:</b>	AUT, WIN, SPR, SUM; 4 / 6 weeks full time.
<b>Prerequisite:</b>	Permission from department. Open to fourth year medical students <b>+ 2 month application process</b>
<b>Compliance Requirement(s):</b>	Variable based on site location
<b>Total Enrollment:</b>	Variable
<b>Clerkship Coordinator:</b>	Leo Calipusan, 206-744-6384, leowill@u.washington.edu
<b>Director:</b>	Michael Porter, 206-764-2265, mporter@uw.edu
<b>Clerkship Site(s):</b>	Various
<b>Housing Available:</b>	Contact the Department of Urology, HMC, 206-744-6384
<b>Permission Required:</b>	Yes
<b>Surgical Selective:</b>	No

By specific arrangement for qualified students, special clerkships or 'away clerkships' may be available at institutions other than the University of Washington located within the WWAMI region. Interested students must contact the Department, provide thorough information regarding the away clerkship's details, and obtain the Director's approval at least two (2) months prior to registration.

**Evaluations:**

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.