

# SURGERY

## Elective Clerkships

Clerkship website: <http://depts.washington.edu/surgstus/>

### SURG 681 P- Peripheral Vascular Disease (\*, max 8)

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 2/4 week rotation.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	VAMC
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

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

- Develop differential diagnoses for patients with arterial and venous disorders.
- Develop treatment plans for patients with common chronic arterial and venous disorders.
- Conduct a focused history & physical examination with particular emphasis on arterial and venous anatomy.
- Begin to use bedside devices, such as portable Doppler and ultrasound, to further clarify the underlying nature of the problem.
- 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 vascular surgeon.

#### **Schedule:**

The clerkship will consist of seeing patients and working in the clinical setting at the VA Medical Center (VAMC). The student is expected to work up all patients who enter the clinic or the hospital with vascular disease and present his/her findings to the Attending staff for discussion. Students do not take call.

#### **Presentations:**

At the end of the rotation, the student will be asked to give a short oral presentation on a topic related to vascular 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 the two-week period.

### SURG 682 P- Clinical Burn Care (\*, max 12)

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	Harborview Medical Center
<b>Faculty Contact:</b>	Dr. Nicole Gibran, Dr. Matthew Klein
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

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

- Recognize and discuss thermal injuries and skin sloughing disorders, including development of diagnostic strategies.
- Outline a plan for overall care of thermal injuries and skin sloughing disorders from admission through reconstruction.
- Recognize and discuss the metabolic and critical care issues encountered by severely ill patients, and develop management plans for these conditions.
- In the operating room, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.
- Conduct technical procedures including subclavian line insertion, respiratory care, Swan-Ganz catheters and cardiac output, etc.

**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 Clerkship (\*, max 12)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation
<b>Total Enrollment:</b>	1 student per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	Seattle Children's Hospital
<b>Faculty Contact:</b>	Dr. John Waldhausen
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

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

- Recognize and discuss some of the ambulatory problems common to the pediatric surgery.
- Develop and implement appropriate assessment plans for these problems.
- Demonstrate the ability to perform a focused history and physical examination on the pediatric surgical patient.
- Discuss the appropriate use of imaging modalities in the assessment of common pediatric surgical problems, such as pyloric stenosis.

- 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 identify conditions that warrant referral to a pediatric surgeon and differentiate them from those that may be managed by the primary care physician.

**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)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation
<b>Total Enrollment:</b>	2 students per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	UWMC
<b>Faculty Contact:</b>	Dr. Nahush Mokadam
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

**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.

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

- 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 ( \*, max 12)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	4 students per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Faculty Contact:</b>	Dr. Matthew Klein
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu
<b>Clerkship Sites:</b>	Rotate through UWMC, HMC, Seattle Children's Hospital and VAMC.

### **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.

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

- 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.

**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 ( \*, max 12)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	2 students per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	UWMC
<b>Faculty Contact:</b>	Dr. Jorge Reyes
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

### **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 will have the chance to fly to Alaska, Montana, Idaho, and Washington with the organ procurement team.

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

- Identify the conditions and factors for which a solid organ transplant is indicated, as well as those factors which may make a patient ineligible for transplant.
- Demonstrate the ability to perform a focused history and physical examination in the patient with organ failure, as well as the post-transplant patient.
- Discuss issues in immunology and operative surgical anatomy appropriate to transplantation patients, in particular the principles of immune suppression and the factors involved in transplant rejection.
- Outline management plans for transplantation patients including ICU care through the complex management of the patient with end-stage organ failure.
- Outline the workup and management for a patient with suspected or confirmed transplant graft rejection.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.

**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 \( \\*, max 12\)](#)**

**[SURG 663 P- General Surgery Subinternship Virginia Mason\( \\*, max 12\)](#)**

**[SURG 688 P- General Surgery Subinternship HMC\( \\*, max 12\)](#)**

*Meets the surgery selective requirement.*

<b>SURG 688</b>	P-General Surgery Subinternship
<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	4 students per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	UWMC (enrollment: 2), VAMC (enrollment: 2)
<b>Faculty Contact:</b>	Dr. Kristine Calhoun (UWMC), Dr. Roger Tatum (VAMC)
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu
<b>SURG 663</b>	P-General Surgery Subinternship Virginia Mason
<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	4 students per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	UWMC (enrollment: 2), VAMC (enrollment: 2)
<b>Faculty Contact:</b>	Dr. Kristine Calhoun (UWMC), Dr. Roger Tatum (VAMC)
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

<b>SURG 688</b>	P-General Surgery Subinternship HMC
<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	4 students per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	UWMC (enrollment: 2), VAMC (enrollment: 2)
<b>Faculty Contact:</b>	Dr. Kristine Calhoun (UWMC), Dr. Roger Tatum (VAMC)
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

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

- Discuss basic concepts in issues in surgical disease including gastrointestinal disorders, surgical oncology, management of hernias, endocrine surgery, and skin and soft tissue surgery.
- Demonstrate the ability to perform a focused history and physical examination in patients with surgical problems, with particular emphasis on the gastrointestinal system and the abdominal exam.
- Develop comprehensive management plans for problems encountered in general surgical patients.
- Develop diagnostic strategies for patients with surgical problems
- Outline preoperative and postoperative care for surgical patients, including indications for formal preoperative risk assessment.
- Manage surgical emergencies and outpatient follow-up of discharged patients.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.

**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 \(8\)](#)**

**[SURG 662 P- Community Surgery Clerkship Longview\(8\)](#)**

*Meets the surgery selective requirement.*

<b>SURG 689</b>	P-Community Surgery Clerkship
<b>Offered:</b>	AWSpS; 4 week rotation.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Coeur d'Alene, ID
<b>Facility:</b>	
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu
<b>Housing:</b>	Not provided. Certain locations have some limited resources available on request.
<b>Transportation:</b>	Car required.

<b>SURG 662</b>	P-Community Surgery Clerkship Longivew
<b>Offered:</b>	AWSpS; 4 week rotation.
<b>Total Enrollment:</b>	
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Longview, WA ;
<b>Facility:</b>	
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu
<b>Housing:</b>	Not provided. Certain locations have some limited resources available on request.
<b>Transportation:</b>	Car required.

**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.

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

- Participate in all phases of patient evaluation and care in a non-metropolitan practice location, including preoperative workup, surgical management, inpatient postoperative care, and outpatient follow-up.
- Demonstrate the ability to perform a focused history and physical examination in patients with surgical problems.
- Describe and outline problems that span the broader repertoire of general surgery including gastrointestinal, oncologic, endocrine, vascular, thoracic, and some plastic/reconstructive surgery.
- Manage surgical emergencies such as evaluation and treatment of the acute abdomen and blunt and/or penetrating trauma.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.

**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- ANMC Subinternship (12)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 6 week rotation
<b>Total Enrollment:</b>	1 student per rotation.
<b>Prerequisite:</b>	Surgery 665 and permission from ANMC. Fourth-year medical students only.
<b>Location:</b>	Anchorage, AK
<b>Facility:</b>	Alaska Native Medical Center in Anchorage, AK
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu
<b>Housing:</b>	
<b>Transportation:</b>	

**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.

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

- Participate in all phases of patient evaluation and care for a specialized patient population, including preoperative workup, surgical management, inpatient postoperative care, and outpatient follow-up.
- Demonstrate the ability to perform a focused history and physical examination in patients with surgical problems.
- Describe and outline problems that span the broader repertoire of general surgery including gastrointestinal, oncologic, endocrine, vascular, thoracic, and some plastic/reconstructive surgery.
- Manage surgical emergencies such as evaluation and treatment of the acute abdomen and blunt and/or penetrating trauma.
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing, and limited dissection.

**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 4th year surgical electives. Evaluation and feedback will come at the end of each two-week period.

**SURG 691 P- Surgical Intensive Care Unit Subinternship (8)**

**SURG 661 P-Surgical Intensive Care Unit Sub-Internship VA (8)**

*Meets the surgery selective requirement.*

<b>SURG 691</b>	P-Surgical Intensive Care Unit Sub-Internship
<b>Offered:</b>	AWSpS; 4 week rotation.
<b>Total Enrollment:</b>	5 students per rotation.
<b>Prerequisite:</b>	Surgery 665; Fourth-year medical students only.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	HMC
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, <a href="mailto:ashten@u.washington.edu">ashten@u.washington.edu</a>
<b>SURG 661</b>	P-Surgical Intensive Care Unit Sub-Internship VA
<b>Offered:</b>	AWSpS; 4 week rotation.
<b>Total Enrollment:</b>	
<b>Prerequisite:</b>	Surgery 665; Fourth-year medical students only.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	VAMC
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, <a href="mailto:ashten@u.washington.edu">ashten@u.washington.edu</a>

**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.

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

- Recognize and discuss the metabolic and critical care issues encountered by severely ill patients, and develop management plans for these conditions.
- Describe management of the ventilated patient, including ventilator modes, weaning strategies, and indications for tracheostomy placement.
- Discuss the evaluation and management of hypovolemic, septic, and cardiogenic shock.
- Recognize the indications for surgical intervention in the critically ill or trauma patient.
- Perform technical procedures such as arterial line placement, subclavian line insertion, respiratory care, Swan-Ganz catheters and cardiac output, etc.

**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 \(4\)](#)**

**[SURG 658 P-Ambulatory Surgery Clerkship Mary Bridge \(4\)](#)**

**[SURG 659 P-Ambulatory Surgery Clerkship Madigan \(4\)](#)**

**[SURG 660 P-Ambulatory Surgery Clerkship Group Health \(4\)](#)**

*Meets the surgery selective requirement.*

<b>SURG 692</b>	P-Ambulatory Surgery Clerkship (4)
<b>Offered:</b>	AWSpS; 2 week rotation
<b>Total Enrollment:</b>	3 students per rotation.
<b>Prerequisite:</b>	Surgery 665.
<b>Location:</b>	Seattle, WA
<b>Facility:</b>	Seattle Children's Hospital;
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, <a href="mailto:ashten@u.washington.edu">ashten@u.washington.edu</a>
<b>SURG 658</b>	P-Ambulatory Surgery Clerkship Mary Bridge (4)
<b>Offered:</b>	AWSpS; 2 week rotation
<b>Total Enrollment:</b>	3 students per rotation.
<b>Prerequisite:</b>	Surgery 665.
<b>Location:</b>	Tacoma, WA;
<b>Facility:</b>	Mary Bridge Children's Hospital, Tacoma
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, <a href="mailto:ashten@u.washington.edu">ashten@u.washington.edu</a>
<b>SURG 659</b>	P-Ambulatory Surgery Clerkship Madigan (4)
<b>Offered:</b>	AWSpS; 2 week rotation
<b>Total Enrollment:</b>	3 students per rotation.
<b>Prerequisite:</b>	Surgery 665.
<b>Location:</b>	Tacoma, WA;
<b>Facility:</b>	Madigan, Tacoma
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, <a href="mailto:ashten@u.washington.edu">ashten@u.washington.edu</a>

<b>SURG 660</b>	P-Ambulatory Surgery Clerkship Madigan (4)
<b>Offered:</b>	AWSpS; 2 week rotation
<b>Total Enrollment:</b>	3 students per rotation.
<b>Prerequisite:</b>	Surgery 665.
<b>Location:</b>	
<b>Facility:</b>	Group Health
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

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

- 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.

**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 693 P- Rural Surgery – Buffalo ( \*, max 12)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Prerequisite:</b>	Surgery required clerkship. Third- and fourth-year medical students.
<b>Location:</b>	Buffalo, WY
<b>Facility:</b>	Johnson County Healthcare Center
<b>Faculty Contact:</b>	Dr. Blaine Ruby
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu
<b>Housing:</b>	Not provided. Certain locations have some limited resources are available on request.
<b>Transportation:</b>	Car required.

**Goals:**

To experience a wide variety of surgical problems and cases at a rural site at the level of a senior medical student.

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

- 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.

## **SURG 694 P- Rural Surgery – Riverton ( \*, max 12)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	1 student per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Riverton, WY
<b>Facility:</b>	Wind River Clinic
<b>Faculty Contact:</b>	Dr. Dennis Lewis
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu
<b>Housing:</b>	Not provided. Certain locations have some limited resources available on request.
<b>Transportation:</b>	Car required.

### **Goals:**

To experience a wide variety of surgical problems and cases at a rural site at the level of a senior medical student.

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

- 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 695 P- Vascular Thoracic Surgery ( \*, max 12)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	3 students per rotation.
<b>Prerequisite:</b>	Surgery 665. Third- and fourth-year medical students.
<b>Location:</b>	Seattle
<b>Facility:</b>	Harborview Medical Center
<b>Faculty Contact:</b>	Dr. Tam Pham
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

### **Goals:**

To experience a wide variety of vascular and thoracic surgical problems and cases at the level of a senior medical student.

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

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)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 2/4 week rotation.
<b>Total Enrollment:</b>	
<b>Prerequisite:</b>	
<b>Location:</b>	
<b>Facility:</b>	
<b>Faculty Contact:</b>	
<b>Administrative Contact:</b>	

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

- Participate in all phases of patient screening, evaluation and care
- Gain exposure to the entire repertoire of breast surgery, including staging, initial diagnosis, breast sparing, breast reconstruction and interdisciplinary conferences with oncology, counselors and support groups
- To be able to identify and describe the most common surgical problems unique to breast oncology surgery
- Demonstrate the ability to perform a focused history and physical examination on breast oncology surgery patients
- To become acquainted with the conditions that warrant referral to a breast oncology surgeon
- In the operating room and/or clinic, demonstrate and sharpen skills in basic surgical techniques such as knot-tying, suturing and limited dissection
- To build on experience to facilitate the transition to a house officer role

## **SURG 697 P- Surgery Special Electives ( \*, max 24)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	By Arrangement
<b>Prerequisite:</b>	Permission of department. Surgery 665. Third- and fourth-year medical students. <b>+ 2 month application process</b>
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.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 should submit a "Credit for Away Clerkship" form available from the UWSOM Dean's Office Registrar and complete for departmental approval at least two months before advance 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)**

*Meets the surgery selective requirement.*

<b>Offered:</b>	AWSpS; 4/6 week rotation.
<b>Total Enrollment:</b>	By Arrangement
<b>Prerequisite:</b>	Permission of department. Surgery 665. Third- and fourth-year medical students. <b>+ 2 month application process</b>
<b>Faculty Contact:</b>	Dr. Roger Tatum
<b>Administrative Contact:</b>	Anna Nonis, 206-685-0975, ashten@u.washington.edu

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 should obtain a "Credit for Away Clerkship in WWAMI" form available from the UWSOM Dean's Office Registrar and complete for departmental approval at least two months before advance registration.

### **Evaluations:**

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

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