

# **SURGERY 720**

**OREGON HEALTH & SCIENCE UNIVERSITY**

## **TEACHING PLAN**

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## I. Introduction

This is a five week course in clinical surgery. The material presented, and the manner in which it is taught, have been designed to include the “core” material in surgery that should be known to all physicians. In order to make most efficient use of the time available, it has been necessary to design a highly structured curriculum. The schedules on the following pages are the result of this need and of a desire to bring you and your instructors together in regular learning situations.

## II. Assumptions

The student has learned normal anatomy, is familiar with normal physiology, and knows the pathology of the common disease to be covered during the course. He/she understands normal nutrition, the metabolic responses to stress and injury, and normal wound healing.

## III. Methods

### 1. Patient Evaluation and Management

Each student will be assigned to one five-week block rotation based on their preference list. The rotations include general surgery and surgical oncology. The students will evaluate patients in the outpatient setting as well as take part in their operations and follow them post-operatively in both the inpatient and outpatient settings.

### 2. Patient Work-ups/Presentations

Each student should complete a minimum of one full work-up per week and present the patient to their preceptor at a time arranged convenient to the student(s) and preceptor. In most cases, the patient will be inpatient to allow adequate time for work-up. An outpatient with a straightforward problem, such as breast lump, hernia, or gallbladder disease, may also be appropriate for work-up in clinic if it does not interfere with the flow of patients in the clinic. The student is encouraged to seek as much variety as possible in the work-ups and to emphasize patients with common rather than esoteric problems.

The patient will be presented to the preceptor along with the work-up submitted for evaluation. The work-up should include the standard sections as well as a brief plan of management, discussion of the diagnosis and plan, and should cite at least two primary references (not textbook) appropriate for the patient’s chief problem. The student will be responsible for reading about the patient’s problem in sufficient degree to participate in a give-and-take discussion with the preceptor when the case is presented.

### 3. Teaching Sessions

Teaching sessions are scheduled on the first Monday from 9:00-3:30 and the four subsequent Mondays in the block from 8:30-12:00 to cover what the faculty considers to be the most important or common topics and problems in surgery. Some lectures have been recorded on video and viewing these is the student’s responsibility unless covered in a live lecture. Lecturers from live and recorded lectures have submitted questions for the final exam. The student is expected to have read the appropriate background material before the class, as several of the sessions are interactive, problem-solving sessions rather than lectures. The faculty in charge of the session may survey the students’ degree of preparation at any time.

#### **4. Teaching Rounds**

The students will attend Surgical Department Grand Rounds and Morbidity and Mortality Review weekly when available. In these conferences they can obtain up-to-the-minute information and gain insight into the peer review process as well as learn about complications in surgical patients and why they occur.

#### **5. Student-Led Seminar**

Each student will research and present a portion of one teaching session during the last two weeks of the course in the block from 8:30-12:30. The student is responsible, with the guidance of his/her preceptor, for a 15 minute PowerPoint presentation on a specific topic. Research on the topic should include not only texts, but also search of the primary literature using computer searching techniques. A bibliography should be included for the rest of the class at the time of presentation.

#### **6. Wise-MD Modules**

All OHSU medical students will have access to topic modules using the Wise-MD system. Students will be expected to complete all of the assigned modules. Completion of all modules will count towards 5% of the total student grade. A portion of the final exam questions will be based on the WISE-MD modules. An information sheet with required modules and instructions can be found on Sakai.

#### **7. Call**

Students will be required to take call at least one night per week during the course of their Surgery 720 Clerkship. This must include at least one Friday or Saturday night over the five weeks. Call will be taken with the EGS Junior Surgery Resident and/or the Intern Resident on the student's service. Students will each be given a key to the call room on 14C and will be responsible for that key. No final grade will be given to the student until the key is returned. The Medical Student Coordinator will maintain the call schedule. Students are responsible for contacting the Medical Student Coordinator regarding any changes needing to be made to the call schedule. Students are expected to leave the hospital after morning work rounds on the day after they take call.

### **IV. Evaluation**

Students will be evaluated on their performance in the clinical rotation, the case presentations, seminar presentations, Wise MD, and a multiple choice and essay exam given on the last day of the course. The exam will include questions based on teaching sessions as well as required reading. It will include questions on general surgery, vascular surgery, plastic surgery, cardiothoracic surgery, anesthesia, orthopedics, neurosurgery, and urology. Questions will require clinical problem-solving as well as factual knowledge. Evaluations of performance will include knowledge, skills, and attitudes as well as problem-solving ability, ability to act and learn independently, and improvement during the course.

### **V. Grading**

Grading will be based on clinical evaluation (35%), multiple choice exam (30%), essay exam (10%), seminar evaluation (10%), preceptor evaluation (10%), and WiseMD modules (5%). A total score of at least 85 points is required for an Honors grade, 78 points for a Near Honors grade, and 60 points is required for a Satisfactory grade. A score below 60 points will result in

a failing grade and will require remediation. In order to be eligible for honors, you must score at least 73% on your exam. You MUST obtain the exact number of points to obtain the above grades. Higher grades will not be awarded for missing grades by even fractions of a point. However, one essay question, worth up to one point is also available as bonus points and will be applied toward either your exam points or your final points, but not both. Should you miss the grade cutoff by fractions of a point, we do make a note of this on your Dean's Letter. A score of 45% must be obtained on the exam in order to pass the rotation.

## VI. Recommended Reading

Recommended texts for this course include the following:

1. Greenfield, Lazar J, **Essentials of Surgery: Scientific Principles and Practice**, Lippincott-Ravin

This excellent current book includes both a basic science review as well as clinical information in each chapter. It is very complete and has the most recent date of publication. ***Highly recommended.***

*In reference section of the library.*

2. Lawrence, Peter F (ed), **Essentials of General Surgery**, Williams & Wilkins

The advantages of this text are that it matches the objectives of the course, is short and readable, and is designed specifically for a surgery clerkship for medical students. The disadvantage is that it does not include chapters on anesthesia, plastic surgery, cardiothoracic surgery, urology, and orthopedics. It is not totally sufficient for the course and must be supplemented by other readings.

*On reserve in the library.*

3. Doherty, Gerard, **Current Surgical Diagnosis and Treatment**, McGraw-Hill Medical,

The advantages of this text are that it is more complete, with chapters in subject areas not included in the Lawrence text. However, it is more difficult to match the reading specifically to the course objectives. The book is a little longer than the others.

*In reference section of the library.*