

538 SENIOR SUB-INTERNSHIP SURGERY

This course satisfies the Sub I requirement for UCI Students

Course Description: Students spend four weeks as sub-interns during which they carry the full ward responsibility of an intern on one-half the number of patients usually carried by an intern. The sub-internship is designed to improve clinical competence and to prepare students for the challenges and demands of the internship. Students may choose between sub-internships in medicine, surgery, or pediatrics.

Department: Surgery

Prerequisites: UC Irvine students must have successfully completed their basic science curriculum and Surgery Core Clerkship. Extramural students must be in their last year of medical education.

Restrictions: None

Elective Director: Sebastian Schubl, MD, FACS
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Instructing Faculty: Joseph Carmichael, MD (Colorectal); Donald Dafoe, MD (Transplant); Carlos Donayre, MD (Vascular Surgery); David Imagawa, MD, PhD (Hepatobiliary & Pancreas); Michael Lekawa, MD (Trauma/Critical Care/Burns); Ninh Nguyen, MD (MIS/GI Surgery); Alessio Pigazzi, MD, PhD (Surgical Oncology); Sebastian Schubl, MD (Emergency General Surgery); Brian Smith, MD (General Surgery @ LBVA); Nii-Kabu Kabutey, MD (Vascular Surgery @ LBVA)

Site Coordinator:
Staci Reichenecker, Medical Education Coordinator
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UC Irvine Medical Center, Department of Surgery
333 City Blvd. West, Suite 1600, Orange, CA 92868

Site: UC Irvine Medical Center- Douglas Hospital/ Long Beach VA

Course Website: <http://www.surgery.uci.edu/>

Who to Report to on the First Day:

Chief Resident on rotation; please wear professional clothes, white coat and badge with credentials visible.

Location to Report to on the First Day: varies

Time to Report on the First Day: varies

UCI students completing a Long Beach VA rotation should contact Faye Johnson

(Faye.Johnson2@va.gov) approximately 4 weeks prior to their start date to submit necessary paperwork and obtain rotation information.

For students completing a UCIMC rotation, please contact the Medical Education Coordinator, Staci Reichenecker for rotation information and details.

Scheduling Coordinator:

UC Irvine students UC Irvine students must officially enroll for the course by contacting the Scheduling Coordinator via email or phone (714) 456-8462 to make a scheduling appointment.

Extramural students enrolled at a U.S. LCME medical school must use VSAS to apply. To apply please refer to this website <https://students-residents.aamc.org/attending-medical-school/electives-and-make-courses/applyingaway-electives-vsas/>

Periods Available: throughout the year

Duration: 4-8 weeks

Course Objectives:

- Conduct surgical patient interviews and perform comprehensive physical examination of patients. Use evidence based medicine to develop a plan and execute patient care. Relate the case of a patient to the needs of the community from which the patient originated.
- All objective include: evidence based medicine, professionalism, dedication to patient care, patient confidentiality, understanding managed care, advanced directives, demonstrate comprehensive knowledge of a wide spectrum of surgical diseases, demonstrate experience in following a patient through admission, operative intervention, and post-operative care.
- Skillfully conduct medical interviews and perform comprehensive physical examination of patients with utmost professionalism.
- Use evidence based medicine to conduct medical care in the highest standards of the UCI Medical Center's mission statement.
- Learn and value the needs of the community and individual patients.

Key Topics:

- Evidence based medicine
- Professionalism
- Dedication to patient care
- Patient confidentiality
- Understanding managed care
- Advanced directives
- Demonstrate comprehensive knowledge of a wide spectrum of surgical diseases.
- Demonstrate experience in following a patient through admission, operative intervention, and post-operative care.

Competencies:

- Student should be able to competently obtain a detailed history and perform a thorough physical examination.
- Student should be able to present a detailed history and physical and be able to formulate an accurate differential diagnosis and plan.
- Students should be able to completely utilize laboratory tests appropriate to patient care and interpret those tests to aid in care of his/her patients.
- Students should be able to competently manage core problems appropriately identified by its core specialty for each Sub-internship clerkship.
- Students should become more proficient in time management and organizational skills.
- Students should demonstrate competency in:
 - Admission and stabilization
 - Daily management
 - Discharge planning
- Demonstrate comprehensive knowledge of a wide spectrum of surgical diseases.
- Demonstrate competency in current case presentation and surgical diseases.
- Demonstrate understanding of options for a variety of surgical diseases.
- Demonstrate competency in routine and post-operative care and the recognition and management of complications.

Attitudes and Commitments:

Upon completion of this course, students should

- Have an increased confidence in assuming primary role in the care of the patient.
- Be able to utilize laboratory tests, radiology, and consultants to give care to the highest standards consistent with UCI Medical Center and the School of Medicine mission and value statements.
- Become more proficient in communication skills to aid in care of their patients.
- Understand professionalism in medicine
- Maintain internship-like responsibilities (e.g. primary workup of new patients, write orders, performs procedures, participates in daily care, takes night call, and writes notes).
- Assume a high level of patient care responsibility for residency.
- Strengthen their clinical and procedural skills.
- Improve their ability to manage complex, acutely ill patients
- Learning to work as a team member
- Demonstrate commitment to the highest quality care

Educational Activities:

An advanced course in general surgery in which the student is assigned to a general surgery service, becomes further experienced in skills of history taking and physical examination. Student participates actively in the preoperative evaluation, operative care and post-operative management on the ward and in outpatient facilities. The student also participates in case presentations and conferences at which a large variety of surgical problems are discussed. Special emphasis is placed on abdominal, colorectal, vascular, hepatobiliary, transplant, and oncologic surgery. Daily activities will include: morning rounds, outpatient clinic OR cases and small group discussion.

0600-0730	Morning Rounds
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0830-1200	Outpatient Clinic
1300-1600	OR Cases
1600-1700	Group Discussion

Four weeks in one of five surgical rotations:

- Surgical Oncology
- Trauma/Critical Care
- Vascular
- Gastrointestinal/Minimally Invasive Surgery
- Hepatobiliary/Transplant

What students should do to prepare for rotation: Contact Medical Education Coordinator 2 weeks prior to rotation. Review recommended reading.

Clinical Responsibilities of the Student: All aspects of patient care for Surgery Department, outpatient clinic, ward and operating room as part of surgical team.

Patient Care Responsibility: All aspects of patient care for Emergency Department, outpatient clinic, ward and operating room as part of surgical team.

Call Schedule of the Student: Every 4th night

Procedures to be Learned by Student: Varies with rotation

Percentage of Time Student Will Participate in Ambulatory Setting: 20%

Conference/Lecture/Small Group Sessions: Surgery didactics/grand rounds/M&M are held weekly on Thursdays from 6:30 am to 10:30 am

Course Hours Weekly Summary:

	Hours:
Case-Based	5
Conference	3
Clinic	6
Grand Rounds	1
Examination	1
Inpatient	10
Lecture	2
Operating Room	15
Review	1
Small Group	1
Tutorials	1
Ward Rounds	8

Other: reading, writing, journaling	10
Total:	64

Content Theme Integration:

- Biostatistics
- Communication
- Community Health
- Death & Dying
- Decision-making
- Epidemiology
- Ethics
- Evidence-Based Medicine
- Family Violence
- Genetics & Genetic Counseling
- Geriatrics
- Health Care Systems
- Home Health Care
- Informatics
- Medical Jurisprudence
- Medical Socioeconomics
- Multicultural Medicine
- Nutrition
- Occupational Health
- Pain Management
- Palliative Care
- Patient Health Education
- Research Methods
- Substance Abuse
- Women's Health

Required Reading: as assigned by instructor

Recommended Reading: *Current Surgical Therapy*, Cameron

Official Grading Policy:

Students will receive a final grade of Honors, Pass, or Fail. The student's final evaluation will be submitted on the standard UC Irvine Elective Evaluation Form. The student's final evaluation will be derived from input from Attendings, Fellows, and Residents. The student will be evaluated with specific attention to: ethical behavior, reliability and dependability, ability to work with peers and under faculty direction, relationships with nurses and other hospital personnel, relationships with patients, clinical judgment, history-taking and physical diagnosis skills, ability to identify and formulate problems, manual skills, appropriate use of laboratory, quality of patient record, verbal communication skills, professionalism, use of medical literature, and knowledge of own limitations.

Absence: With prior notification, you are allowed a maximum of three (3) days of absence during your 4-week rotation. You will need to reschedule your rotation for another date if you miss more than 3 days. Any questions or issues regarding your critical care clerkship grade should be presented to your course director and the grading faculty.