**PATHOLOGY (PATHOLOGY)**

**PATHOLOGY 140.02 Off-Campus Clerkship (3-6 Units) Fall, Winter, Spring, Summer**  
*Instructor(s):* Staff  
Prerequisite(s): Completion of core clerkships. Third or Fourth year standing.  
Restrictions: None  
Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects  
Pathology 140.02 provides an elective opportunity for students to explore Pathology outside the traditional Pathology elective format. Rotations in off-campus hospitals within the UC system or at another institutions fit into this category. Students will learn diagnostic pathology skills pertinent to their field of interest in general or sub-specialty fields of Anatomic Pathology.

School: Medicine  
Department: Pathology  
May the student choose the instructor for this course? Yes  
Does enrollment in this course require instructor approval? Yes  
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)  
Graduate Division course: No  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

**PATHOLOGY 150.03 Surgical & Autopsy Pathology (3-6 Units) Fall, Winter, Spring, Summer**  
*Instructor(s):* Raga Ramachandran  
Prerequisite(s): Consent of faculty member in charge of students research project and approval of Dr. Raga Ramachandran elective director.  
Restrictions: Completion of 3rd year clerkships.  
Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects  
Under supervision, students will complete one autopsy and work-up surgical/cytology specimens. Student-oriented seminars will address subspecialties (e.g., dermatopath, neuropath, renal pathology) and basic science research in pathology. The rotation may be tailored to the special interests of particular students.

School: Medicine  
Department: Pathology  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)  
Graduate Division course: No  
Is this a web-based online course? Yes  
Is this an Interprofessional Education (IPE) course? Yes  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No  
Repeat course for credit? Yes

**PATHOLOGY 150.05 Research in Pathology (2-18 Units) Fall, Winter, Spring, Summer**  
*Instructor(s):* Raga Ramachandran  
Prerequisite(s): Consent of faculty member in charge of students research project and approval of Raga Ramachandran director.  
Restrictions: None  
Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion  
Student continue previously initiated research projects under the guidance of faculty members.

School: Medicine  
Department: Pathology  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)  
Graduate Division course: No  
Is this a web-based online course? Yes  
Is this an Interprofessional Education (IPE) course? Yes  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? Yes

**PATHOLOGY 170.01 Introduction to Pathology (1 Units) Fall**  
*Instructor(s):* Raga Ramachandran  
Prerequisite(s): None  
Restrictions: None  
Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects  
This course provides students with an opportunity to gain an in-depth and in-person introduction to the field of pathology. A speaker series featuring pathologists from many subspecialties and all stages of training, students will learn the roles, duties, and unique opportunities offered by careers in pathology. Expect to come away with a new understanding of “The Doctor’s Doctor.”

School: Medicine  
Department: Pathology  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)  
Graduate Division course: No  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No  
Repeat course for credit? Yes
PATHOLOGY 198 Supervised Study (2.5-5 Units) Fall, Winter, Spring, Summer
Instructor(s): Staff
Prerequisite(s): Consent of instructor.

Restrictions: None

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

Pathology 198 allows MS4s to design and pursue in-depth study or a project with faculty supervision within a specific area of interest in pathology. It reinforces self-directed study, an important component of the lifelong learning expected from a physician. Please see http://meded.ucsf.edu/mse/supervised-study-approval-form for additional background information, including the types of projects that are suitable for this course.

School: Medicine
Department: Pathology
May the student choose the instructor for this course? Yes
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)
Graduate Division course: No
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

PATHOLOGY 235 General Pathology (3 Units) Fall
Instructor(s): Theresa M Jaramillo
Prerequisite(s): Substantive courses in biochemistry, physiology, histology, microbiology (first quarter, concurrent) or an introduction to immunology

Restrictions: None

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

Didactic course will provide a thorough understanding of anatomic pathology and common diseases of selected organ systems. The course will cover general principles of pathology underlying the mechanisms of disease, including cell injury and cellular adaptations, acute and chronic inflammation, healing and tissue repair, fluid and hemodynamic derangements, immunopathology, environmental pathology, neoplasia and viral pathogenesis/carcinogenesis, as well as disorders of specific organ systems.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? Yes
Does enrollment in this course require instructor approval? Yes
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No