Surgery Core Clerkship (3-12 Units) Fall, Winter, Spring, Summer
Instructor(s): Matthew Lin
Prerequisite(s): Third-year standing.

Restrictions: UCSF medical students only.
Activities: Seminar, Clinical

Students will and follow-up patient when they are admitted to the surgical service. Students are expected to take calls once a week and participate in team rounds, in clinics, and in the operating room. Students will work both in the inpatient service and the outpatient clinic. Students are expected to do work-ups on the patients who present with acute surgical illness.

School: Medicine
Department: Surgery
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

Surgery 130.01 CIEx - Plastic Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): David Young
Prerequisite(s): None

Restrictions: Medical students in Foundations 2

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Students will join the clinical team to provide care for Plastic Surgery patients in the operating room, hospital, and outpatient setting.

School: Medicine
Department: Surgery
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

Surgery 130.02 CIEx - Colorectal Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma, Hueylan Chern
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. This is a 2-week immersive experience in colorectal surgery, particularly designed for Parnassus Integrated Student Clinical Experience (PISCES) students.

School: Medicine
Department: Surgery
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

Surgery 130.03 CIEx - Anorectal Diseases and Treatment (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma, Hueylan Chern
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Anorectal complaints are common among patients of all ages in all clinical settings. This elective provides opportunities for students to learn common anorectal diseases and observe and participate in anorectal exams and office procedures.

School: Medicine
Department: Surgery
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

Surgery 130.04 CIEx - Vascular Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Vascular surgery is a dynamic field with rapidly changing technologies and treatments. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of vascular diseases.

School: Medicine
Department: Surgery
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

Surgery 130.05 CIEx - Cardiovascular Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Cardiovascular surgery is a subspecialty of general surgery that focuses on the diagnosis and treatment of diseases of the heart and blood vessels. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of cardiovascular diseases.

School: Medicine
Department: Surgery
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

Surgery 130.06 CIEx - Interventional Radiology (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Interventional radiology is a subspecialty of radiology that focuses on the use of minimally invasive imaging techniques to diagnose and treat diseases. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of interventional radiology procedures.

School: Medicine
Department: Surgery
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

Surgery 130.07 CIEx - Hand Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Hand surgery is a subspecialty of surgery that focuses on the diagnosis and treatment of diseases of the hand and upper extremity. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of hand surgery procedures.

School: Medicine
Department: Surgery
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

Surgery 130.08 CIEx - Trauma Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Trauma surgery is a subspecialty of surgery that focuses on the diagnosis and treatment of injuries caused by trauma. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of trauma surgery procedures.

School: Medicine
Department: Surgery
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

Surgery 130.09 CIEx - Urology (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Urology is a subspecialty of surgery that focuses on the diagnosis and treatment of diseases of the urinary system. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of urology procedures.

School: Medicine
Department: Surgery
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

Surgery 130.10 CIEx - Gastrointestinal Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Gastrointestinal surgery is a subspecialty of surgery that focuses on the diagnosis and treatment of diseases of the gastrointestinal tract. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of gastrointestinal surgery procedures.

School: Medicine
Department: Surgery
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

Surgery 130.11 CIEx - Musculoskeletal Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Musculoskeletal surgery is a subspecialty of surgery that focuses on the diagnosis and treatment of diseases of the musculoskeletal system. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of musculoskeletal surgery procedures.

School: Medicine
Department: Surgery
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

Surgery 130.12 CIEx - Head and Neck Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Mika Varma
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2
Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Head and neck surgery is a subspecialty of surgery that focuses on the diagnosis and treatment of diseases of the head and neck. This course provides an opportunity for students to learn about the pathophysiology, diagnosis, and management of head and neck surgery procedures.

School: Medicine
Department: Surgery
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
SURGERY 130.04 CIEx - Vascular and Podiatry Elective - VAMC-SF (1.5-3 Units) Fall, Winter, Spring, Summer
Instructor(s): Warren Gasper
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Students will have opportunities to recognize common diagnoses in vascular medicine, surgery and podiatric practice, observe common procedures, and compose treatment plans for these common conditions.

School: Medicine
Department: Surgery
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? No

SURGERY 130.05A CIEx - Surgical Apprenticeship - General Surgery (1.5-6 Units) Fall, Winter, Spring, Summer
Instructor(s): Matthew Lin
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Students may choose from one of the following services: Transplant, General Surgery, or Breast Surgery. Students will work exclusively with a faculty member, with the main focus in the clinical setting.

School: Medicine
Department: Surgery
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? No

SURGERY 130.05B CIEx - Surgical Apprenticeship - Breast (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Rita Mukhtar
Prerequisite(s): None

Restrictions: Medical students in Foundations 2

Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Students will be enrolled in Breast Surgery, where they will work exclusively with a faculty member, with the main clinical focus in the OR, clinic, and tumor board.

School: Medicine
Department: Surgery
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? No

SURGERY 130.05C CIEx - Surgical Apprenticeship - Transplant (3-6 Units) Fall, Winter, Spring, Summer
Instructor(s): Garrett Roll, Shareef Syed
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Students will be enrolled in Transplant Surgery, where they will work exclusively with a faculty member, with the main clinical focus in the OR, tumor board, organ selection committee, and organ procurement runs.

School: Medicine
Department: Surgery
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? No
SURGERY 130.05D CIEx - Surgical Apprenticeship - Thoracic (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Johannes Kratz
Prerequisite(s): none

Restrictions: Medical Students in Foundations 2

Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Students will be enrolled in Thoracic Surgery, where they will work with a faculty member and team, with the main clinical focus in the OR, clinic, and tumor board.

School: Medicine
Department: Surgery

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? No

SURGERY 130.06 CIEx - Vascular Surgery - UCSF Parnassus (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Michael Conte
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Each student will be paired with 2-3 endocrine surgeons and gain experience in the outpatient, inpatient, operating room, and tumor board setting. It will provide an integrated view on disciplines approaching complex endocrine diseases.

School: Medicine
Department: Surgery

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? No

SURGERY 130.07 CIEx - Innovation in Cardiac Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Tobias Deuse
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. This collaboration with several programs in Cardiology will expose students to patients in an inpatient setting, provide a chance to see both open surgical and transcatheter procedures, and a comprehensive view of state-of-the-art cardiac care.

School: Medicine
Department: Surgery

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? No

SURGERY 130.08 CIEx - Endocrine Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Wen Shen
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Each student will be paired with 2-3 endocrine surgeons and gain experience in the outpatient, inpatient, operating room, and tumor board setting. It will provide an integrated view on disciplines approaching complex endocrine diseases.

School: Medicine
Department: Surgery

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? No
SURGERY 130.09 CIEx - Kidney Transplant Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Shareef Syed, Chris Freise
Prerequisite(s): None
Restrictions: Medical students in Foundations 2
This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. This course is an opportunity for medical students to experience a multidisciplinary field. Students will gain insights into the surgical, medical, radiologic and pathologic aspects of kidney transplant surgery.

School: Medicine
Department: Surgery
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? No

SURGERY 130.10 CIEx - Surgical Skills Coaches Training (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Hueylin Chern, Merisa Piper
Prerequisite(s): Surgery 110 Core Clerkship
Restrictions: Medical Students in Foundations 2
Activities: Clinical
This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. Students will spend the first week in the surgical skills center learning and practicing knot tying, suturing and laparoscopic techniques to achieve competency in the simulation setting. They will then spend the second week in the OR.

School: Medicine
Department: Surgery
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? No

SURGERY 130.11 CIEx - Treatment of Breast Cancer (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Jasmine Wong
Prerequisite(s): Surgery 110 Clerkship
Restrictions: 3rd year student in good academic standing.
Activities: Clinical
This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. This integrative CIEx will allow students to experience and better understand how surgeons and physicians work together to treat breast cancer in a multi-disciplinary fashion. The student will have a clear schedule rotating between clinic and OR.

School: Medicine
Department: Surgery
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? No

SURGERY 130.12 CIEx - Pediatric Surgery (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Lan Vu
Prerequisite(s): no
Restrictions: Medical Students in Foundations 2.
Activities: Clinical
This is a Bridges Curriculum Clinical Immersive Experience (CIEx), which provide medical students in Foundations 2 opportunities to broaden and enhance their professional development in health care settings different from those of their core clerkships. This is a 2-week immersive experience in pediatric surgery.

School: Medicine
Department: Surgery
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? No
SURGERY 130.28 CIEx - Surgery Breast Oncology - Fresno (3 Units) Fall, Winter, Spring, Summer  

Instructor(s): Ibirokonke Adelaja  
Prerequisite(s): All UCSF students must contact Linda Alvarez for enrollment (Armelinda.Alvarez@ucsf.edu) to initiate CIEx process at Fresno.  

Restrictions: Foundations 2 students  
Activities: Seminar, Clinical  

The Bridges Curriculum CIEx, which provide medical students in F2 opportunities to broaden/enhance their professional development in health care settings different from those of their core clerkships. 2 weeks on Surgical Oncology introducing students through integrated, multidisciplinary rotation that replicates the practical experience in management of breast disease. Components to include surgery, medical radiation oncology, pathology, breast imaging, tumor board and didactic lectures.  

School: Medicine  
Department: Surgery  
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  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No  
Repeat course for credit? No  

SURGERY 130.29 CIEx - Integrative Multidisciplinary Endocrine Neoplasia (3 Units) Fall, Winter, Spring, Summer  

Instructor(s): Sanziana Roman, Wen Shen  
Prerequisite(s): N/A  
Restrictions: Foundations 2 students.  
Activities: Clinical  

The Bridges Curriculum CIEx provides medical students in F2 opportunities to broaden/enhance their professional development in health care settings different from those of their core clerkships. This integrative CIEx will allow students to understand better how surgeons and physicians work in a multidisciplinary fashion in a disease-based program that is tailored to give patients the best possible care. The student will have exposure to endocrine neoplasia patient care.  

School: Medicine  
Department: Surgery  
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  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No  
Repeat course for credit? No  

SURGERY 140.01B Advanced General Surgery - Colorectal (6 Units) Fall, Winter, Spring, Summer  

Instructor(s): Mika Varma  
Prerequisite(s): Surgery 110, Medicine 110  
Restrictions: None  
Activities: Clinical, Independent Study, Workshop  

Clerkship provides an intensive exposure to the broad spectrum of conditions encountered in the practice of colorectal surgery; hands-on experience in the operating room, hospital floors, and clinic. Students will participate in pre/post operative care of patients with a wide range of disease of the colorectal system including colon, anal and rectal cancer, inflammatory bowel disease, anorectal diseases, and pelvic floor disease.  

School: Medicine  
Department: Surgery  
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? No  

SURGERY 140.01C Advanced General Surgery - Surgical Oncology (6 Units) Fall, Winter, Spring, Summer  

Instructor(s): Kimberly Kirkwood  
Prerequisite(s): Surgery 110 and Medicine 110  
Restrictions: 1 student per block.  
Activities: Clinical, Independent Study  

Provides intensive exposure to the broad spectrum of conditions encountered in the practice of surgical oncology; extensive experience in the operating room, ward, intensive care unit, and clinic. Students participate in pre/postoperative care of patients with a wide range of oncologic disease processes.  

School: Medicine  
Department: Surgery  
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? No
SURGERY 140.01E Advanced General Surgery - Breast (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Cheryl Ewing
Prerequisite(s): Medicine 110 and Surgery 110.
Restrictions: None.
Activities: Clinical, Independent Study, Project
This clerkship provides an in-depth, comprehensive experience in the diagnosis and surgical treatment of patients with both benign breast disease and breast cancer. Both inpatient and outpatient care will be important components of breast disease, the importance of the preoperative evaluation of patients and establishment of an evidence-based approach to breast care will be integrated into the curriculum.

School: Medicine
Department: Surgery
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? No

SURGERY 140.01F Advanced General Surgery - Highland Hospital - AHS (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Lara Senekjian
Prerequisite(s): Surgery 110 and Medicine 110.
Restrictions: None
Activities: Clinical, Conference
This clerkship provides an intensive exposure to the broad spectrum of conditions encountered in the practice of general surgery. This clerkship is structured so the students will serve as acting intern on the general surgery service and participate in the pre-operative evaluation, intraoperative management, and post operative care of surgical patients.

School: Medicine
Department: Surgery
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? No

SURGERY 140.01G Advanced General Surgery - GI / General (Red) (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Matthew Lin
Prerequisite(s): Medicine 110 and Surgery 110
Restrictions: None
Activities: Clinical, Conference
This clerkship provides an intensive exposure to the broad spectrum of conditions encountered in the practice of General Surgery (Hepatobiliary, Foregut, Bariatric and Endocrine) with hands-on experience in operating room, hospital floor (including ICU), clinic settings and in the evaluation of ER patients. The clerkship is structured so the students will participate in the pre and post operative care of patients.

School: Medicine
Department: Surgery
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? No

SURGERY 140.02A Off-Campus Clerkship (3-6 Units) Fall, Winter, Spring, Summer
Instructor(s): Matthew Lin
Prerequisite(s): Core curriculum in basic sciences and Medicine 110 or Surgery 110
Restrictions: none
Activities: Clinical
Clinical clerkship in approved hospitals in other universities by special arrangement and approval of the director for medical education of the department and the dean.

School: Medicine
Department: Surgery
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? No
SURGERY 140.02B  Off-Campus Clerkship (3-6 Units) Fall, Winter, Spring, Summer
Instructor(s): Matthew Lin
Prerequisite(s): MEDICINE 110, SURGERY 110

Restrictions: None
Activities: Clinical

Clinical clerkship in approved hospitals in other universities by special arrangement and approval of the director for medical education of the department and the dean.

School: Medicine
Department: Surgery
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade, 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

SURGERY 140.04  Advanced Vascular Surgery (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Michael Conte
Prerequisite(s): Medicine 110, Surgery 110.

Restrictions: None
Activities: Clinical, Independent Study

Intensive exposure to the broad spectrum of vascular disease presentations encountered in the practice of vascular surgery. Hands-on experience in the operating room, hospital ward/ICU, and outpatient clinic as part of the team. Students will participate in pre and post-operative care of patients, consultations, evaluation and management of vascular conditions and treatment approaches (including vascular medicine, open and endovascular surgery).

School: Medicine
Department: Surgery
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? No

SURGERY 140.07  Non-Invasive Vascular Laboratory (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Warren Gasper
Prerequisite(s): Surgery 110

Restrictions: Restricted to 1 UCSF fourth year medical student per two weeks.

This two-week elective will offer medical students the opportunity to experience the UCSF non-invasive vascular laboratory and build a solid foundation in routine non-invasive studies performed in the evaluation of vascular disease. Students will participate in conducting and interpreting ultrasound studies of arterial and venous systems of the abdomen, limbs, head and neck, and brain and will attend didactic sessions hosted by the vascular surgery service, including Vascular Grand Rounds.

School: Medicine
Department: Surgery
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? No

SURGERY 140.08  Advanced Endocrine Surgery (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Wen Shen
Prerequisite(s): SURGERY 110, MEDICINE 110

Restrictions: none

This clerkship provides an in-depth experience in Endocrine Surgery - specifically, the workup and management of surgical disorders of the thyroid/parathyroid/adrenal glands and the endocrine pancreas. Students will participate in the operating room, follow patients, and attend multiple outpatient clinics gaining hands-on experience in the diagnosis and treatment of patients with endocrine surgical disorders. Students expected to prepare a case presentation with accompanying discussion.

School: Medicine
Department: Surgery
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? No
Surgery (SURGERY)

Surgery 140.10 Advanced Cardiothoracic Surgery (6 Units) Fall, Winter, Spring, Summer

Instructor(s): Tobias Deuse
Prerequisite(s): SURGERY 110

Restrictions: None

*This clerkship provides an intensive exposure to the broad spectrum of conditions encountered in the practice of cardiothoracic surgery with extensive experience in the OR, ward, clinic and ICU. Students will participate in the care of patients with acquired cardiovascular and thoracic disease, including coronary artery disease, valvular heart disease, diseases of the great vessels, and thoracic oncology w/ exposure to thoracic transplantation (heart/lung), ECMO and ventricular assist devices.

School: Medicine
Department: Surgery
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? Yes
Repeat course for credit? No

Surgery 140.12 Advanced Plastic & Reconstructive Surgery (6 Units) Fall, Winter, Spring, Summer

Instructor(s): Scott Hansen
Prerequisite(s): Surgery 110

Restrictions: 4th year medical student standing.

Activities: Clinical, Independent Study, Project

This clerkship provides an intensive exposure to the broad spectrum of conditions encountered in the practice of plastic surgery. There is hands-on experience in the operating room and clinic. Students will participate in the care of patients with congenital anomalies, traumatic deformities, acquired defects requiring reconstruction including free tissue transfer and hand surgery, and patients choosing to have elective surgery.

School: Medicine
Department: Surgery
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? No

Surgery 140.14 Advanced Surgical Critical Care - Fresno (6 Units) Fall, Winter, Spring, Summer

Instructor(s): Jordan Lilienstein
Prerequisite(s): Surgery 110

Restrictions: 4th year standing.

Activities: Clinical, Independent Study

Provides exposure to critical surgical illness in a busy ICU setting. The student serves as an acting intern, and will involve themselves in the pre, intra, and post-operative management of patients on the service. Students will learn basic principles for managing critically ill surgical patients, including ventilator management, invasive hemodynamic monitoring, invasive bedside procedures, mechanical ventilation, nutritional therapy, renal replacement therapy and ethical issues.

School: Medicine
Department: Surgery
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? No

Surgery 140.15 Burn, Plastic and Hand Surgery - Fresno (6 Units) Fall, Winter, Spring, Summer

Instructor(s): William Dominic, Ibironke Adelaja
Prerequisite(s): Surgery 110

Restrictions: 4th year standing.

Activities: Lecture, Clinical

Provides students exposure to the burned patient at a regional burn center. Students will serve as an acting intern, and will be expected to have hands-on participation in care of patients in the operative, ward and intensive care unit settings. During their rotation, students will learn the principles of burn resuscitation, operative and non-operative burn wound management, as well as gain exposure to surgical critical care as it pertains to burn surgery.

School: Medicine
Department: Surgery
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? No
SURGERY 140.16 Advanced Pediatric Surgery and Trauma (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Aaron Jensen
Prerequisite(s): Surgery 110 and Medicine 110

Restrictions: none
Activities: Clinical

This clerkship provides an intensive exposure to the broad spectrum of conditions encountered in the practice of pediatric surgery with hands-on experience in the operating room, clinic, and trauma bay. The clerkship is structured so the students will participate in the care of patients with congenital anomalies, childhood tumors and other acquired childhood illnesses including traumatic injury. This course aims to incorporate the student as a team member in pediatric surgery.

School: Medicine
Department: Surgery

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? No

SURGERY 140.17 Advanced Pediatric Surgery (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Lan Vu
Prerequisite(s): Surgery 110 and Medicine 110

Restrictions: 1 student per block.
Activities: Clinical, Independent Study, Project

Intensive exposure to the broad spectrum of conditions encountered in the practice of pediatric surgery with hands-on experience in the operating room and clinic. Students will participate in the care of patients with congenital anomalies, childhood tumors and other acquired childhood illnesses. This course aims to incorporate the student as a team member in Pediatric Surgery.

School: Medicine
Department: Surgery

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? No

SURGERY 140.18 Advanced Solid Organ Transplantation (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Garrett Roll
Prerequisite(s): Medicine 110, Surgery 110

Restrictions: 1 student per block.
Activities: Clinical, Independent Study

Intensive exposure to diseased and live donor kidney, liver and pancreas transplantation. Students participate in the pre-operative evaluation and management, intraoperative management, and post-operative care (including immune monitoring) of transplant recipients and donors. Participate on clinical rounds, attend teaching conferences and seminars. The student will scrub in on organ donor operations as well as organ transplants.

School: Medicine
Department: Surgery

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? No

SURGERY 140.19 Advanced General Surgery - Fresno (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Jordan Lilienstein
Prerequisite(s): Surgery 110

Restrictions: 4th year standing.
Activities: Clinical, Independent Study

Provides an intensive exposure to a busy combined emergency general surgery (EGS) and trauma service, with emphasis on EGS. Students will serve as an acting intern, and learn to manage inpatients on the wards and step down unit, as well as evaluate new EGS patients via consultations from the emergency room and inpatient wards. Students are also expected to involve themselves in pre, intra, and post-operative management of patients on the service.

School: Medicine
Department: Surgery

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? No
SURGERY 140.20  General Surgery Oncology - Fresno (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Jordan Lilienstein
Prerequisite(s): Completion of core clerkship in Surgery
Restrictions: 4th Year Medical Students
Activities: Lecture, Clinical
Provides exposure to a busy combined general, endocrine, hepatobiliary and surgical oncology service. Students will gain exposure to a wide range of surgical oncologic disease, including endocrine, hepatobiliary, and breast cancers. They will also gain exposure to management of advanced hernias, and benign endocrine, hepatic, and pancreatic surgical disease. They will participate in the pre, intra, and postoperative care of these complex patients in both inpatient and outpatient settings.

School: Medicine
Department: Surgery
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
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? No

SURGERY 140.21  Advanced Trauma Surgery - Fresno (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Jordan Lilienstein, James Davis
Prerequisite(s): Surgery 110
Restrictions: 4th year standing.
Activities: Clinical, Independent Study
Provides exposure to critically injured patients at a busy Level 1 trauma center. Students will learn to apply ATLS principals to manage injured patients presenting to the ED, and will participate in patients’ subsequent intra and post-operative care. Students will learn basic principles for managing critically injured patients in the ICU, including but not limited to vent and, intracranial hypertension management, invasive hemodynamic monitoring, invasive bedside procedures, and ethical issues.

School: Medicine
Department: Surgery
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? No

SURGERY 140.22  Advanced Trauma & General Surgery (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Andre Campbell
Prerequisite(s): Surgery 110 and Medicine 110
Restrictions: None
Activities: Clinical, Independent Study
Intensive exposure to the broad spectrum of conditions encountered in the practice of general and trauma surgery at a Level 1 Trauma Center with hands-on experience in ED, operating room, hospital floor (including ICU), and clinic settings. Students will participate in the pre- and post-operative care of patients with a wide range of trauma and acute surgical emergencies.

School: Medicine
Department: Surgery
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? No

SURGERY 140.23  Advanced Surgical Critical Care (6 Units) Fall, Winter, Spring, Summer
Instructor(s): Lara Senekjian
Prerequisite(s): Completion of all third year clinical clerkships.
Restrictions: Limited to two students per block.
Activities: Clinical, Independent Study
Clinical activity full time. 4th year student will be an acting intern on the surgical ICU Service and participate in all aspects of caring for surgical patients in the ICU.

School: Medicine
Department: Surgery
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? No
**SURGERY 140.24 Advanced Vascular Surgery - Fresno (6 Units) Fall, Winter, Spring, Summer**

*Instructor(s):* Randall Stern, Anne Prentice  
*Prerequisite(s):* Surgery 110

Restrictions: n/a

**Activities:** Clinical

Provides students with exposure to the broad spectrum of conditions found in vascular surgery. The students will serve as an acting intern on the vascular surgery service. Hands-on participation by the student is expected in the operating room, wards, intensive care unit and ambulatory care settings. Students will participate in the pre, intra, and postoperative care of patients, and will be introduced to the full range of vascular therapies, including open and endovascular techniques.

**School:** Medicine  
**Department:** Surgery

**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

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

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**SURGERY 140.25 Surgical Internship Experience on Endocrine Surgery (6 Units) Fall, Winter, Spring**

*Instructor(s):* Sanziana Roman  
*Prerequisite(s):* MEDICINE 110, SURGERY 110, plus at least one other SURGERY 140 elective.

Restrictions: This course is restricted to students with plans to pursue a surgical residency.

**Activities:** Clinical

This clerkship provides an in-depth experience for students who want to prepare for life as a surgery intern—specifically, the day-to-day management of patients, writing orders, working with nursing staff, taking call, participating in the operating room, following patients, and attending multiple outpatient clinics. Includes hands-on experience in the diagnosis and treatment of patients with endocrine surgical disorders of the thyroid/parathyroid/adrenal glands and the endocrine pancreas.

**School:** Medicine  
**Department:** Surgery

**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?** No

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**SURGERY 150.01 Research in Surgery (3-24 Units) Fall, Winter, Spring, Summer**

*Instructor(s):* Amar Nijagal  
*Prerequisite(s):* Consent of instructor.

**Restrictions:** none

**Activities:** Fieldwork, Project, Lab science

Opportunities for research in one of the departmental laboratories by arrangement with the instructor.

**School:** Medicine  
**Department:** Surgery

**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?** No

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**SURGERY 160.02 OR Assist: Beginner Surgical Skills (1 Unit) Winter, Spring**

*Instructor(s):* Matthew Lin  
*Prerequisite(s):* none

**Restrictions:** none

**Activities:** Lecture, Clinical

Operating Room (OR) Assist is an elective to provide medical students with an opportunity to participate in surgical procedures at UCSF affiliated Operating Rooms. Students will follow the patient from the preoperative setting, into the intraoperative theater, and into the postoperative setting. Students will be expected to sign up for a minimum of three evening or weekend shifts in the Operating Room resulting in a total of 22 clinical hours.

**School:** Medicine  
**Department:** Surgery

**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

**Repeat course for credit?** No
SURGERY 160.03 OR Assist: Clinical Experience (1 Units) Spring
Instructor(s): Matthew Lin
Prerequisite(s): None, SURGERY 160.02

Restrictions: none

Activities: Lecture, Clinical

Operating Room (OR) Assist: Clinical Experience is an elective that provides medical students with the opportunity to participate in surgical procedures at UCSF affiliated operating rooms. Students will be paired with a surgical mentor and scrub in on a minimum of 3 surgeries. Review sessions on surgical skills, gowning, gloving, sterile procedures and operating room etiquette will be provided.

School: Medicine
Department: Surgery

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? No

SURGERY 160.07 Surgery Donor Runs (1 Units) Fall, Winter, Spring, Summer
Instructor(s): Garrett Roll, Shareef Syed
Prerequisite(s): None.

Restrictions: None.

Activities: Clinical

The medical student will be invited to participate in donor runs for retrieval of intra thoracic and intra abdominal organs for transplant. The student will scrub in on organ donor operations. Anatomy is an important component of medical student education. Though partially addressed by exposure to cadavers, the dynamic interaction with brain dead heart beating donors is a much more realistic opportunity for learning.

School: Medicine
Department: Surgery

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? No

SURGERY 160.08 The Organ Transplant Experience (1.5 Units) Fall, Winter, Spring, Summer
Instructor(s): Garrett Roll, Shareef Syed
Prerequisite(s): None.

Restrictions: None.

Activities: Lecture, Clinical, Web work

This elective offers medical students the opportunity to develop longitudinal relationships with transplant recipients and their medical teams. Each student will follow a kidney transplant donor and recipient pair from their pre-op evaluations, through their operations, post-operative recovery, and followup appointments. Each student will participate in the care of a transplant donor and recipient and become more knowledgeable about the process of organ transplantation and donation.

School: Medicine
Department: Surgery

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? No

SURGERY 160.10 Cardiothoracic and Vascular Interventions (1-1.5 Units) Fall
Instructor(s): Shant Vartanian
Prerequisite(s): N/A

Restrictions: N/A

Activities: Lecture, Clinical

The course will introduce students to the anatomic and physiologic correlations associated with the clinical syndromes of peripheral vascular disease, cerebrovascular diseases, as well as other specific topics in cardiology. Through a multi-disciplinary approach (vascular surgery, interventional radiology and interventional cardiology), endovascular and surgical approaches to the treatment of these diseases will be highlighted, and critical research questions and methodologies will be explored.

School: Medicine
Department: Surgery

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? No
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<th>Course Code</th>
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<tbody>
<tr>
<td>SURGERY 160.11</td>
<td>Intermediate Surgical Training for Medical Students (1 Units) Fall, Winter</td>
<td></td>
<td>Matthew Lin</td>
<td>None, SURGERY 160.02</td>
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<td>SURGERY 160.12</td>
<td>Advanced Surgical Training for Medical Students (1 Units) Winter</td>
<td></td>
<td>Matthew Lin</td>
<td>OR Assist-Surgical Training for Medical Students (Surgery 160.02) AND Intermediate Surgical Training for Medical Students (Surgery 160.11)</td>
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<td>Graduate Division course: No</td>
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<td>Repeat course for credit? No</td>
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<tr>
<td>SURGERY 160.14</td>
<td>Introduction to Aerospace Medicine (1 Units) Fall</td>
<td></td>
<td>Sonja Schrepfer</td>
<td>N/A</td>
<td>Only students from the School of Medicine</td>
<td>Lecture</td>
<td>Medicine, Surgery</td>
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<td>SURGERY 160.15</td>
<td>Exploring Plastic Surgery (1 Units) Fall</td>
<td></td>
<td>Matthew Lin, Scott Hansen</td>
<td>None, SURGERY 160.11</td>
<td>No</td>
<td>Web work</td>
<td>Medicine, Surgery</td>
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SURGERY 160.16 OASIS Clinic Care Elective (1 Units) Fall, Winter, Spring
Instructor(s): Scott Hansen
Prerequisite(s): None

Restrictions: None

Activities: Clinical

The OASIS Clinic Longitudinal Elective is housed within the OASIS Clinic at ZSFG. This is an in-person experience where students will be able to hone their clinical skills while interacting with low income and medically underserved patients. With the direct supervision of either the attending or clinical staff, medical students will be able to do medical intake, help perform minor procedures such as I&D of wound abscesses, and excisions of subcutaneous masses and foreign bodies.

School: Medicine
Department: Surgery

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? No

SURGERY 198 Supervised Study (1-6 Units) Fall, Winter, Spring, Summer
Instructor(s): Staff
Prerequisite(s): Consent of instructor.

Restrictions: None

Activities: Independent Study, Project

Library research and directed reading under supervision of a member of the faculty with the approval of the chairperson of the department.

School: Medicine
Department: Surgery

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
Repeat course for credit? Yes