

ANESTHESIA AND PERIOPERATIVE CARE (ANE PERIOP)

ANE PERIOP 110 Anesthesia Core Clerkship (0.5-3 Units) Fall, Winter, Spring, Summer

Instructor(s): Kristine Breyer
Prerequisite(s): Third-year standing.

Restrictions: 3rd year medical students.

Activities: Clinical

A comprehensive experience in anesthesia & perioperative care. Clinical skills include airway management, IV insertion, drug administration, physiologic monitoring, sedation and acute pain management. The OR facilitates review of pulmonary/cardiovascular physiology and pharmacology. Developing rapport, confidence, professionalism and communication are emphasized. Reflection helps the student find meaning.

School: Medicine

Department: Anesthesia And Perioperative Care

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), In Progress (IP, SP/UP) grading allowed

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

ANE PERIOP 130.01 CIEEx - Pain Management Elective (1.5-3 Units) Fall, Winter, Spring, Summer

Instructor(s): Xiaobing Yu
Prerequisite(s): None

Restrictions: Medical Students in Foundations 2

Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEEx), 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 exposed to a diverse population of patients with complex chronic pain or cancer pain frequently seen in the primary care and inpatient settings, as well as develop fundamental knowledge and skills in the assessment of pain.

School: Medicine

Department: Anesthesia And Perioperative Care

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

ANE PERIOP 130.15 CIEEx - Pediatric Anesthesia (3 Units) Fall, Winter, Spring, Summer

Instructor(s): Justin Libaw
Prerequisite(s): 3rd year student in good academic standing

Restrictions: None

Activities: Clinical

This is a Bridges Curriculum Clinical Immersive Experience (CIEEx), 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 explore the Pediatric Anesthesia service and be exposed to the operating room, pediatric pain service and non-OR procedural areas.

School: Medicine

Department: Anesthesia And Perioperative Care

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

ANE PERIOP 140.01 Advanced Clinical Clerkships (6 Units) Fall, Winter, Spring, Summer

Instructor(s): Dylan Masters
Prerequisite(s): Anesthesia 110.

Restrictions: 4th year medical students.

Activities: Clinical

A 4-week clinical clerkship which offers a perspective into the clinical cases and research opportunities offered by the department. At ZSFGH students will take night call, during their week at Mount Zion students will gain an understanding of the basic principles of ultrasound-guided blocks, At VA hospital students will pair with residents during their cardiovascular rotation, and at Moffitt Long hospital, students will manage ASA 1 and ASA 2 cases.

School: Medicine
Department: Anesthesia And Perioperative Care
May the student choose the instructor for this course? No
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

ANE PERIOP 140.02A Off-Campus Clerkship (3-6 Units) Fall, Winter, Spring, Summer

Instructor(s): Kristine Breyer
Prerequisite(s): Anesthesia 110.

Restrictions: None

Activities: Clinical

Off-campus clinical clerkships in approved hospitals by special arrangement and approval of the Director of Medical Student Education, Department of Anesthesia.

School: Medicine
Department: Anesthesia And Perioperative Care
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

ANE PERIOP 140.02B Off-Campus Clerkship (3-6 Units) Fall, Winter, Spring, Summer

Instructor(s): Kristine Breyer
Prerequisite(s): ANE PERIOP 110

Restrictions: None

Activities: Clinical

Off-campus clinical clerkships in approved hospitals by special arrangement and approval of the Director of Medical Student Education, Department of Anesthesia.

School: Medicine
Department: Anesthesia And Perioperative Care
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

ANE PERIOP 140.03A Advanced Intensive Care (6 Units) Fall, Winter, Spring, Summer

Instructor(s): Julin Tang
Prerequisite(s): ANE PERIOP 110\r\nMEDICINE 110\r\nSURGERY 110

Restrictions: None.

Activities: Clinical

Clinical clerkship provides experience with critically ill adult and pediatric patients in a surgical, trauma, and neurologic intensive care unit. Focus is on evaluation, management, and resuscitation of patients with severe respiratory, cardiovascular, and neurologic failure, often in the setting of traumatic insult.

School: Medicine
Department: Anesthesia And Perioperative Care
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

ANE PERIOP 140.03B Advanced Intensive Care (6 Units) Fall, Winter, Spring, Summer*Instructor(s):* Rondall Lane*Prerequisite(s):* Anesthesia 110, Medicine 110, Surgery 110 or consent of instructor.

Restrictions: None.

Activities: Lecture, Clinical

The student will participate in the care of critically ill adults with a variety of medical and surgical conditions. The clerkship will integrate an understanding of respiratory, cardiovascular, cerebral and renal pathophysiology with diagnostic and therapeutic techniques required to care for patients with multisystem failure.

School: Medicine**Department:** Anesthesia And Perioperative Care**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**ANE PERIOP 140.05A Advanced Anesthesia Clinical Clerkship - Fresno (3 Units) Fall, Winter, Spring, Summer***Instructor(s):* Nikolai Kolotiniuk*Prerequisite(s):* Successful completion of third year electives.

Restrictions: none

Activities: Clinical

This course serves as an introduction to the field of anesthesia. Students will become familiar with the components of the pre-operative assessment and medical clearance of the surgical patients. They will learn and practice both basic and advanced airway management skills. Their experience will also include learning about the perioperative pain management strategies that include a variety of oral and intravenous agents, peripheral nerve blocks, and neuraxial blocks.

School: Medicine**Department:** Anesthesia And Perioperative Care**May the student choose the instructor for this course?** No**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**ANE PERIOP 140.06 Pain Management (6 Units) Fall, Winter, Spring, Summer***Instructor(s):* Xiaobing Yu*Prerequisite(s):* None.

Restrictions: 4th Year Medical Students

Activities: Clinical

This course in pain management allows students to participate in the assessment and treatment of patients with chronic pain in an outpatient setting. Morning lectures, journal clubs and multidisciplinary treatment plan meetings comprise the didactic portion, while outpatient pain management evaluations and interventional procedures with faculty, fellows and residents provide the clinical portion.

School: Medicine**Department:** Anesthesia And Perioperative Care**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**ANE PERIOP 140.07 Advanced Anesthesia for 4th Year OMFS Students (16.5-18 Units) Fall, Winter, Spring, Summer***Instructor(s):* Hemra Cil*Prerequisite(s):* None

Restrictions: Restricted to OMFS

Activities: Seminar, Clinical

This is a 12-week advanced elective in general anesthesia for participants in Oral & Maxillofacial Surgery who are in the medical school phase of their integrated training program. It fulfills partial requirements for accreditation in Oral & Maxillofacial Surgery.

School: Medicine**Department:** Anesthesia And Perioperative Care**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

ANE PERIOP 140.08 Obstetric Anesthesia (3 Units) Fall, Winter, Spring, Summer

Instructor(s): Arthur Chyan

Prerequisite(s): ANE PERIOP 110, OB GYN R S 110

Restrictions: 4th Year Medical Students

Activities: Clinical

This course is designed for students interested in either Obstetrics/ Gynecology or Anesthesia as it relates to Women's Health. The clerkship views labor & delivery from the anesthesia perspective, with emphasis on physiology, pharmacology & specific disease processes of pregnancy. The educational & skills objectives are defined by the principles & practice of obstetric anesthesia. The student's goal is to become a more knowledgeable, more skilled & more effective physician in an obstetric unit.

School: Medicine

Department: Anesthesia And Perioperative Care

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

ANE PERIOP 140.10 Pediatric Anesthesia (3 Units) Fall, Winter, Spring, Summer

Instructor(s): Justin Libaw

Prerequisite(s): ANE PERIOP 110/PEDIATRICS 110

Restrictions: None.

Activities: Clinical

This course is designed for students interested in Pediatrics or Pediatric Anesthesia. The clerkship incorporates issues of importance to the pediatrician and pediatric anesthesiologist, including preoperative evaluation and preparation, sedation management and monitoring, airway management, implications of common and rare pediatric disorders, management for painful procedures and options for remote locations and effective postoperative pain management.

School: Medicine

Department: Anesthesia And Perioperative Care

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

ANE PERIOP 140.52 Pediatric Anesthesia for 4th Year OMFS Students (6 Units) Fall, Winter, Spring, Summer

Instructor(s): Zhe Chen

Prerequisite(s): Successful completion of both the Pediatrics & Anesthesia Core Clerkship (110) rotations.

Restrictions: 4th Year OMFS Students only

Activities: Clinical

The pediatric anesthesia rotation will allow students the opportunity to provide hands-on care to children from birth to age 18 undergoing sedation or general anesthesia for myriad surgeries and procedures.

School: Medicine

Department: Anesthesia And Perioperative Care

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

ANE PERIOP 140.53 Advanced Cardiac Life Support Training (1 Units) Fall, Winter, Spring, Summer

Instructor(s): Dylan Masters

Prerequisite(s): Before your ACLS course, \r\n1. Visit heart.org/eccstudent \r\n2. Enter manual code: acls15 \r\n3. Click Precourse Self-Assessment (Flash) to begin \r\n4. Learners must print out their score and bring this on the first day

Restrictions: Only 4th year medical students may enroll as part of their preparation for residency.

Activities: Workshop

Advanced cardiac life support, or advanced cardiovascular life support, often referred to by its abbreviation as "ACLS", refers to a set of clinical algorithms for the urgent treatment of cardiac arrest, stroke, myocardial infarction, and other life-threatening cardiovascular emergencies. This course is targeting MS4's who need ACLS certification prior to the start of internship.

School: Medicine

Department: Anesthesia And Perioperative Care

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

ANE PERIOP 150.01 Research in Anesthesia (3-24 Units) Fall, Winter, Spring, Summer

Instructor(s): Kristine Breyer

Prerequisite(s): ANE PERIOP 110.\r\nConsent of faculty member in charge of students research project and approval of third- and fourth-year coordinator.

Restrictions: None.

Activities: Fieldwork, Project, Lab science

Students conduct research projects under guidance of faculty member. Projects must be approved by both the research mentor supervising the student and the clerkship director. Students may initiate or become involved in established research programs under faculty guidance.

School: Medicine

Department: Anesthesia And Perioperative Care

May the student choose the instructor for this course? No

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

ANE PERIOP 170.01A Special Study Course (0.5-1 Units) Fall

Instructor(s): Solmaz Manuel

Prerequisite(s): None.

Restrictions: 1st and 2nd year medical student only.

Activities: Lecture

This course is intended to serve as an introduction to anesthesia as a field and the various subspecialties within anesthesia. There will also be a lecture on residency programs including what to expect from the application process and the day-to-day life of residency. Each week, experts from subspecialties, including cardiac, obstetric, pediatric and pain management, will present using a lecture and demonstration format.

School: Medicine

Department: Anesthesia And Perioperative Care

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

ANE PERIOP 170.03 Exploring Critical Care Medicine (1 Units) Fall

Instructor(s): Kevin Thornton

Prerequisite(s): None

Restrictions: None

Activities: Lecture

This lunch-time elective will introduce students to the various fields within Critical Care Medicine. It will also discuss the many ways in which students may pursue a career in CCM (ie: varying combinations of residency and fellowships). Guest lecturers will also discuss their clinical & research interests here at UCSF.

School: Medicine

Department: Anesthesia And Perioperative Care

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

ANE PERIOP 198 Supervised Study (1-6 Units) Fall, Winter, Spring, Summer

Instructor(s): Kristine Breyer

Prerequisite(s): None.

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: Anesthesia And Perioperative Care

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