

# ANESTHESIOLOGY (ANE)

## School of Medicine

### ANE 192 – Internship in Anesthesiology (1-6 units)

*Course Description:* Supervised work experience in anesthesia and related fields.

*Prerequisite(s):* Upper division standing; approval of project prior to period of internship by preceptor.

*Learning Activities:* Internship 3-18 hour(s), Project.

*Grade Mode:* Pass/Fail only.

### ANE 199 – Special Study for Advanced Undergraduates (1-5 units)

*Course Description:* Special study for advanced undergraduates.

*Learning Activities:* Variable 3-15 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Pass/No Pass only.

### ANE 430 – Intro to Anesthesiology & Perioperative Medicine (3-6 units)

*Course Description:* Introduction to anesthesiology during the MS3 year, with emphasis on introduction to the field of anesthesiology and the day-to-day practice of an anesthesiologist in the perioperative setting.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 40 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Honors/Pass/Fail.

### ANE 435 – Primary Care Multidisciplinary Pain Management (3 units)

*Course Description:* Rotation will give 3rd year primary-care bound students an overview of the scope of Pain Medicine.

*Learning Activities:* Clinical Activity.

*Repeat Credit:* May be repeated.

*Grade Mode:* Honors/Pass/Fail.

### ANE 455 – Externship in Anesthesiology (3-6 units)

*Course Description:* Away clinical rotation in Anesthesiology or Pain Medicine.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity.

*Grade Mode:* Honors/Pass/Fail.

### ANE 460 – Anesthesiology Clinical Clerkship (3-18 units)

*Course Description:* In-depth exposure to anesthesia through informal lectures and mentoring by anesthesiologists. Emphasis on understanding and applying anesthetic principles in managing administration of general, regional, and specialized areas.

*Prerequisite(s):* Consent of instructor; medical student.

*Learning Activities:* Variable 30 hour(s), Practice 10 hour(s), Discussion 2 hour(s).

*Grade Mode:* Honors/Pass/Fail.

### ANE 461 – Perioperative Medicine (3-12 units)

*Course Description:* Two week rotation provides a broad exposure to various patient care services within the Department of Anesthesiology and Pain Medicine to apply medical knowledge to safely care for patients.

*Prerequisite(s):* Successful completion of third-year clerkships; consent of instructor of record.

*Learning Activities:* Clinical Activity 30 hour(s).

*Grade Mode:* Honors/Pass/Fail.

### ANE 462 – Perioperative Management of the Obstetric Patient (3-6 units)

*Course Description:* Perioperative Management of Obstetric Patient advanced clinical clerkship will offer the medical student the chance to understand and be able to apply the principles of basic science into major improvements in obstetric anesthesia patient care.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Variable 2 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Honors/Pass/Fail.

### ANE 463 – Multidisciplinary Pain Management (3-6 units)

*Course Description:* Senior clerkship to expose students to all facets of treating pain in all aspects of clinical care: outpatient and inpatient settings, acute and chronic pain, end of life issues, pediatrics, rehabilitation, etc. Daily clinics, rounds, and lectures.

*Prerequisite(s):* Senior medical student in good standing.

*Learning Activities:* Clinical Activity 30 hour(s), Lecture/Discussion 10 hour(s).

*Grade Mode:* Honors/Pass/Fail.

### ANE 464 – Multidisciplinary Approach to the Neurosurgical Patient (3-9 units)

*Course Description:* Participate in the perioperative care of patients undergoing neurosurgical procedures while under the supervision of anesthesia, neurology and neurosurgical ICU residents and attending physicians.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Clinical Activity 40 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Honors/Pass/Fail.

### ANE 465 – Away Acting Internship in Anesthesiology (3-18 units)

*Course Description:* Work at the level of a sub intern in Inpatient and/or Outpatient settings. Expectation is to provide direct patient management.

*Prerequisite(s):* Consent of instructor; satisfactory completion of Anesthesiology Clerkship.

*Learning Activities:* Clinical Activity 40 hour(s), Variable 3-18 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Honors/Pass/Fail.

### **ANE 480 – Brief Introduction to Clinical Anesthesiology & Chronic Pain Management (3 units)**

*Course Description:* Daily experience in clinical anesthesiology at the preoperative screening unit, operating room, post anesthesia care unit, chronic pain management clinic with daily clinical correlation case discussions, and one-on-one interaction with faculty anesthesiologists.

*Prerequisite(s):* Second-year medical student.

*Learning Activities:* Clinical Activity 30 hour(s).

*Grade Mode:* Honors/Pass/Fail.

### **ANE 490 – A Pain in the Neck: Assessment & Management of Spinal Pain (3 units)**

*Course Description:* Designed to assess and treat spinal pain. Reviews the pathophysiology, clinical assessment, and management of: lumbar spinal pain, cervical spinal pain, differential diagnosis & differentiation between sacroiliac/hip/shoulder joint pain, medication management with risk assessment, and non-pharmacological treatments including interventional pain procedures, acupuncture, and psychological support.

*Learning Activities:* Seminar.

*Grade Mode:* Pass/Fail only.

### **ANE 493A – Applied Physiology & Pharmacology (6 units)**

*Course Description:* Review and demonstrate the application of basic physiology and pharmacology to patient care. There will be an in-depth analysis of the physiology and pharmacology of the cardiovascular, pulmonary, nervous, renal and endocrine systems.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture 5 hour(s), Lecture/Lab 10 hour(s), Laboratory 16 hour(s), Clinical Activity 4 hour(s).

*Enrollment Restriction(s):* UC Davis School of Medicine students only.

*Grade Mode:* Honors/Pass/Fail.

### **ANE 493B – Interdisciplinary Medicine in Pain Care (6 units)**

*Course Description:* Integrate applied and practical neuroanatomy, physiology, pharmacology, psychology/psychiatry and social medicine in the care of patients who are receiving care for pain caused by acute or chronic medical disease or trauma.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture 5 hour(s), Lecture/Lab 10 hour(s), Laboratory 16 hour(s), Clinical Activity 4 hour(s).

*Enrollment Restriction(s):* UC Davis School of Medicine students only.

*Grade Mode:* Honors/Pass/Fail.

### **ANE 493C – Applied Physiology & Pharmacology (3-6 units)**

*Course Description:* Review and demonstrate the application of basic physiology and pharmacology to patient care. In-depth analysis of the physiology and pharmacology of the cardiovascular, pulmonary, nervous, renal and endocrine systems.

*Learning Activities:* Variable.

*Grade Mode:* Pass/Fail only.

### **ANE 498 – Individual or Group Study (1-5 units)**

*Course Description:* Directed reading and discussion and/or laboratory investigation on selected topics.

*Prerequisite(s):* Interns and residents with consent of instructor.

*Learning Activities:* Discussion 1-5 hour(s), Laboratory 2-10 hour(s).

*Grade Mode:* Honors/Pass/Fail.

### **ANE 499 – Anesthesiology Research (1-18 units)**

*Course Description:* Problems in clinical and/or laboratory research.

*Prerequisite(s):* Third- or fourth-year medical students, advanced standing undergraduate and veterinary medicine students; or consent of instructor.

*Learning Activities:* Laboratory 12-54 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Honors/Pass/Fail.