

Fourth-Year Elective Title Anesthesia On-Line		Course Number ANES-9005A	Location Virtual Meetings
Elective Director Dora D. Zuker, MD zuckerdd@rwjms.rutgers.edu Christopher Fjotland, MD cwf22@rwjms.rutgers.edu	Elective Faculty Rose Alloteh, MD Ben Landgraf, MD Brian Raffel, MD Dora D. Zuker, MD Christopher Fjotland, MD	Elective Contact Dora D. Zuker, MD Christopher Fjotland, MD	Contact Info Dora D. Zuker, MD Cell: 973-886-6056 Christopher Fjotland, MD Cell. (201) 248-2077
Blocks Available 1-13	Duration/Weeks Min: 2 Max:2	Hours per Week 30	Students Max:6
Lectures/Seminars Yes	Outpatient No	Inpatient No	House Staff Yes
Night Call No	Weekends No	Lab No	Exam Required No

Overall Educational Goal of Elective:

Objectives:

I. Patient care:

Students will learn the vital components of perioperative care including

- Optimizing patients for surgery
- Obtaining informed consent
- Managing patients intra and post operatively
- Managing pain perioperatively

II. Medical knowledge:

The foundation of knowledge pertaining to basic anesthesia care will be reviewed

- Pharmacology and pharmacodynamics of common anesthetic agents
- Airway management
- Basics of regional anesthesia techniques
- Application of cardiopulmonary physiology in anesthesia
- Ventilator management

III. Practice-Based Learning&Improvement
Review virtual PBLD's twice weekly.

IV. Interpersonal and communication skills:

Students will be expected to present and discuss the PBLD's in a virtual group setting

V. Professionalism:

Professionalism will be assessed through attendance, and participation in the live virtual sessions as well as by completion of assignments

VI. Systems-based Practice :

Students will learn to utilize common systems based resources expected of Anesthesiologists in the evaluation and treatment of patients in the perioperative period

Brief Description of Activities:

- Through various virtual media curated by the department of Anesthesia as well as on-line meetings: The student will become proficient in all aspects of preparing the operating room for the anesthetic including; checking the anesthesia machine and preparing medications and *N* fluids to be administered
 - The student will learn to perform a thorough preoperative history and physical exam
 - The student will gain understanding of placement of peripheral intravenous, arterial, and central venous access and data interpretation
 - The student will observe and gain understanding of various aspects of airway management including:
 - Non-invasive delivery of supplemental oxygen
 - Mask ventilation
 - Supraglottic airway device placement (ie. LMA)
 - Endotracheal Intubation
 - The student will gain insight with the rationale behind the choice of the different anesthetic techniques and the anesthetic agents administered
 - The student will gain familiarity with the different ventilator settings and indications
 - The student will learn to identify criteria for emergence and extubation
 - The student will learn how to effectively endorse a patient to PACU and manage basic post anesthesia issues that may arise

Method of Student Evaluation:

Students will be evaluated through twice weekly moderated video chat Problem Based Learning Discussions (PBLD's).

Are there any prerequisites for this elective? **No**

Is this elective available to third year medical students as well? **No**

Is pre-approval required for registration? **No**