

# Syllabus

## MS II Anesthesia Elective 2024-2025 summer, fall and spring period

This course will be offered during the summer months June, August and September 2024 and also in fall 2024 and spring 2025. Students will sign up for either period and complete the elective in the chosen time period. The summer elective will replace the former summer preceptorship. The format for all periods is identical and students will receive credit for either elective period.

### Goals:

Introduction into clinical anesthesia practice by shadowing anesthesia residents, attending physicians, CRNAs and CAAs throughout their workday and focused discussion of important elements of anesthesia care.

### Objectives:

At the end of the elective student will be able to

1 describe the different aspects of preoperative anesthesia assessment: anesthesia specific H&P, anesthesia specific physical exam incl. airway exam, explanation of anesthesia plan and consent, establishing rapport with patient

2 describe different anesthesia methods: general anesthesia, sedation, neuroaxial anesthesia, regional anesthesia

3 list medications commonly used for anesthesia induction and explain their purpose; explain induction steps for general anesthesia with an endotracheal tube

4 describe different methods to maintain anesthesia and maintain patient equilibrium under anesthesia, explain different intra-operative monitoring procedures and their purpose

5 discuss different methods and medications for postoperative pain control

6 explain common ventilator settings; list three common reasons for ICU admission

### Scheduling:

The schedule will either be created by the students themselves or the Office for Academic Affairs.

### Scheduling requirement:

One student per day in the OR, on Regional/PACU or ICU rotation. Occasionally two students can be present (needs to be confirmed with Dr Schmitz and the anesthesia administrator first) but one of these students should be either in Regional Anesthesia or ICU on these days. The schedule will assign specific days for the different anesthesia rotation. Example: Student a OR rotation dates:....., Regional Anesthesia rotation date:....., ICU rotation: .....

### Start and end times:

OR rotation days: Students will report to the OR board and anesthesia board runner by 6:45 am on their respective days to be assigned to a specific anesthesia residents/Attending/CRNA. It is the responsibility



Cap stone assignment:

Case study:

Every student will write an anesthesia case study about a patient that includes preop evaluation and assessment findings, anesthesia lab for the procedure, induction, anesthesia maintenance, emergence and recovery period with pain management. A template for the case study will be provided. Students will submit the case study together with the sign-off sheets to the department within 14 days after the end of the rotation. The entire study should not exceed one page and can be bullet points format.

Reflection:

Students will describe in a brief format (paragraph to half page) how their perspective about anesthesia has developed/changed by participating in the elective.