

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**ANESTHESIOLOGY and REANIMATION (Elective)**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
ANESTHESIOLOGY and REANIMATION (Elective)	ISM6014827	Yearly	0+40	0	2
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>		English			
<b>Course Level</b>		First Cycle (Bachelor's Degree)			
<b>Course Type</b>		Elective			
<b>Course Coordinator</b>		Prof.Dr. Hüseyin ÖZ			
<b>Name of Lecturer(s)</b>		Prof.Dr. Hüseyin ÖZ, Prof.Dr. Pelin KARAASLAN			
<b>Assistant(s)</b>					
<b>Aim</b>		The aim of this clerkship is; to provide gaining knowledge and skills about the methods of anesthesia, intensive care and pain.			
<b>Course Content</b>		This course contains; Introduction to Anesthesia,Monitorisation,Cardio Pulmonary Resuscitation (BLS),Cardio Pulmoner Resuscitation (ALS),Preoperative Preperation and Premedication,Inhalation Anesthetics and Intravenous Anesthetics,Neuromuscular Blocking Agents and Narcotic Analgesics,Types and Complications of General Anesthesia,Endotracheal Intubation and Complications,Regional Anesthesia and Complications,Sedation and Analgesia,Local Anesthetics and Toxicity,Brain Death and Organ Donor Care,Emergency and Massive Blood Transfusion,Principles of ICU.			
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
1.	Explains the meaning and practice areas of anesthesia.		18	A	
10.	He/She gains endotracheal intubation skill.		6	D	
11.	Lists the complications of general anesthesia.		18	A	
12.	List the complications of regional anesthesia.		18	A	
14.	Explains and applies the basic life support.		18, 6	A, D	
15.	Explains and applies the advanced life support.		18, 6	A, D	
16.	Presents the defibrillator usage.		18, 6	A, D	
17.	He/She describes the criteria of patients admission to ICU.		18	A	
18.	Evaluates the fluid-electrolyte condition of the patient and selects the correct fluids.		18	A	
19.	Explains the acid-base balance according to the clinical situation.		18	A	
20.	Describes the diagnostic criteria of sepsis and lists sepsis treatment principles.		18	A	
22.	Defines brain death and explains the importance of brain death .		18	A	
24.	Recognizes the patient with ARDS and applies the principal treatment.		18	A	
25.	Defines the requirement of oxygen and counts oxygen delivery methods.		18	A	
26.	Defines of the pain assessment and principles of basic analgesic usage.		18	A	
2.	He/She defines general and regional anesthesia.		18	A	
3.	He/She describes Intensive Care Unit (ICU) and lists what types of patients are being treated in Intensive Care Unit.		18	A	
4.	Lists the working area of algology.		18	A	
5.	Lists the drugs used in general anesthesia.		18	A	
6.	He/She lists of drugs used in regional and local anesthesia.		18	A	
7.	Lists the drugs used in pain treatment.		18	A	
8.	Describes the importance of preoperative patient preparation.		18	A	
9.	Knows and applies the monitoring methods.		18, 6	A, D	
13.	Defines heart and respiratory arrest.		18	A	
21.	Defines massive blood transfusion and counts complications.		18	A	
23.	Recognizes the shocked patient and applies the pricipal treatment.		18	A	
<b>Teaching Methods</b>		18: Micro Teaching Technique, 6: Experiential Learning			
<b>Assessment Methods</b>		A: Traditional Written Exam, D: Oral Exam			
<b>Lecture Schedule</b>					
<b>Sequenc e</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Introduction to Anesthesia				
2	Monitorisation				
3	Cardio Pulmonary Resuscitation (BLS)				
4	Cardio Pulmoner Resuscitation (ALS)				
5	Preoperative Preperation and Premedication				
6	Inhalation Anesthetics and Intravenous Anesthetics				
7	Neuromuscular Blocking Agents and Narcotic Analgesics				
8	Types and Complications of General Anesthesia				
9	Endotracheal Intubation and Complications				
10	Regional Anesthesia and Complications				
11	Sedation and Analgesia				
12	Local Anesthetics and Toxicity				
13	Brain Death and Organ Donor Care				
14	Emergency and Massive Blood Transfusion				
15	Principles of ICU				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			

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Midterm Exam	40
General Exam	60

**Resources**

Lecturers' own lecture notes

Morgan and Mikhail's Clinical Anesthesiology Ed. Butterworth JF, Mackey DC, Wasnick JD. Mc Draw Hill Medical Lange 2013, Klinik Anestezi, Zeynep Kayhan. Yoğun Bakım Sorunları ve Tedavileri. Edt: Haydar Şahinoğlu. Üçüncü Baskı. Nobel Tıp Kitabevleri, İstanbul. 2011.