

EASTERN MEDITERRANEAN UNIVERSITY
FACULTY OF HEALTH SCIENCES
ANESTHESIA



COURSE DESCRIPTIONS

1.	<p>ANES121 Anesthesiology- I Terminology of Anesthesiology, the definition and history of anesthesia, the description and working principles of the operating room, the description and presentation of the recovery room, teamwork in the operating room, the ethical and legal rules, the introduction of anesthesia machines and anesthesia circuits, the protection of anesthesia machines, premedication and the importance of record keeping in anesthesia.</p> <p><i>Credits: (3 / 3 / 0) 4</i> <i>Abbreviated Title: Anesthesiology-I</i> <i>Turkish</i> <i>Keywords: anesthesia, reanimation, intensive care</i></p>	<p><i>Prerequisites: None</i> <i>Category: Area Core</i></p>	<p><i>ECTS: 7</i> <i>Teaching Language:</i></p>
2.	<p>ANES122 Anesthesiology-II Issues of preoperative evaluation, preoperative assessment of fluid and electrolyte balance, Premedication, Monitorization, Intubation, Extubation, Position and complications, Recovery room, approach to postoperative pain, Anesthesia and drugs (Dopamine-Dobutrex), Anesthesia and drugs (Nitroglycerin-Niprus) , Anesthesia and Medications (Digital), Anesthesia and Drugs (H2 receptors-Antiemetics), Anesthesia and Drugs (Esmolol-Propranolol).</p> <p><i>Credits: (3 / 3 / 0) 4</i> <i>Abbreviated Title: Anesthesiology - II</i> <i>Turkish</i> <i>Keywords: anesthesia, reanimation, intensive care</i></p>	<p><i>Prerequisites: None</i> <i>Category: Area Core</i></p>	<p><i>ECTS: 6</i> <i>Teaching Language:</i></p>
3.	<p>ANES104 Anesthesia Technical Special Care and Treatment This course involves the issues of possible malfunctions with anesthesia machines and systems, maintenance and repair of equipments used in anesthesia, sterilization, liquids and their preparation, maintenance of monitors and catheters in the operating room and maintenance and repair of anesthesia circuits.</p> <p><i>Credits: (3 / 2 / 0) 4</i> <i>Abbreviated Title: Anesthesia Technics</i> <i>Turkish</i> <i>Keywords: anesthesia, maintenance, machine</i></p>	<p><i>Prerequisites: None</i> <i>Category: Area Core</i></p>	<p><i>ECTS: 6</i> <i>Teaching Language:</i></p>
4.	<p>ANES106 Pharmacology in Anesthesia Introduction to pharmacology, drug administration routes, pharmaceutical forms, drug pharmacokinetics, passage of drugs from membranes, pharmacokinetic of drugs (absorption, distribution), pharmacokinetic of drugs (metabolism and excretion), factors that altering the effects of drugs, drug interactions, the toxic effects of drugs, drug allergies, drug action mechanisms, concepts related with pharmacodynamics, treatment of fluid-electrolyte and acid-base disorders, oxygen treatment, preanaesthetic medication, introduction to general anesthetics, the pharmacokinetics of inhalation and intravenous anesthetics.</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Abbreviated Title: Pharmacology in Anesthesia</i> <i>Turkish</i> <i>Keywords: medicine, pharmacokinetics, anaesthetics</i></p>	<p><i>Prerequisites: None</i> <i>Category: Area Core</i></p>	<p><i>ECTS: 5</i> <i>Teaching Language:</i></p>
5.	<p>ANES200 Summer Training Practical reinforcement of theoretical knowledge acquired in I. and II. Semester, in Anesthesiology and Reanimation Departments of public hospitals and private hospitals and intensive care units located in the TRNC and Turkey for 4 weeks.</p> <p><i>Credits: (0 / 0 / 0) 0</i> <i>Abbreviated Title: Summer Training</i> <i>Turkish</i> <i>Keywords: hospital, internship</i></p>	<p><i>Prerequisites: None</i> <i>Category: Area Core</i></p>	<p><i>ECTS: 5</i> <i>Teaching Language:</i></p>

6.	<p>ANES221 Anesthesiology-III Liver disease anesthesia, the endocrine system and anesthesia, anesthesia in cardiovascular surgery, anesthesia in multiple trauma, anesthesia in ENT surgery, pediatric anesthesia, anesthesia in organ transplantation, anesthesia in kidney diseases.</p> <p><i>Credits: (3 / 3 / 0) 4</i> <i>Prerequisites: None</i> <i>ECTS: 7</i> <i>Abbreviated Title: Anesthesiology - III</i> <i>Category: Area Core</i> <i>Teaching Language:</i> <i>Turkish</i> <i>Keywords: anesthesia, reanimation, intensive care</i></p>
7.	<p>ANES227 Anesthesiology -IV Endotracheal intubation, classification of ventilators and the principles adjustment, types of artificial respiration and their classification, setting the ventilator, standard artificial respiration modes, alternative artificial respiratory modes, rare respiratory support modes, application of artificial respiration, effects and complications of artificial respiratory, monitorization, lungs' care, Anatomy and physiology of the circulatory system, heart lung machine and materials (Oxygenators, autotransfusion), infusion pumps and materials, feeding pumps and materials, resuscitation in the delivery room, apnea, hypotension and shock, fluid - electrolyte treatment in newborn period, newborn convulsions, respiratory distress, perinatal asphyxia</p> <p><i>Credits: (3 / 3 / 0) 4</i> <i>Prerequisites: None</i> <i>ECTS: 8</i> <i>Abbreviated Title: Anesthesiology - IV</i> <i>Category: Area Core</i> <i>Teaching Language:</i> <i>Turkish</i> <i>Keywords: anesthesia, reanimation, intensive care</i></p>
8.	<p>ANES223 Monitorization The importance of monitorization in the operating room and intensive care unit, respiratory system monitorization, monitorization of the circulatory system, urinary system monitorization, monitorization of the nervous system, monitorization of body temperature.</p> <p><i>Credits: (2 / 3 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 5</i> <i>Abbreviated Title: Monitorization</i> <i>Category: Area Core</i> <i>Teaching Language:</i> <i>Turkish</i> <i>Keywords:intensive care, monitorization</i></p>
9.	<p>ANES222 Infection Diseases Description and composition of infection, asepsis, antiseptics, definition of sterilization, types of sterilization, definition of disinfection, disinfection types, hand-washing practices of health personnel, wearing gloves-shirt, overview and organization of the hospital check services, infection control committees, definition of Isolation , category-specific isolation practices, frequent hospital infections, intensive care infections, blood-borne infectious diseases and precautions for protection, correct disposal of medical waste and making them harmless, wrong practices and recommendations in infection control, whether hospital-patient syndrome is a hospital infection or not.</p> <p><i>Credits: (3 / 0 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS: 5</i> <i>Abbreviated Title:Infectious Diseases</i> <i>Category: Area Core</i> <i>Teaching Language:</i> <i>Turkish</i> <i>Keywords: infection, hospital, medical waste</i></p>
10.	<p>ANES205 First Aid Structure and functioning of the human body, basic life functions, basic concepts of first aid, scene, emergency case assessment, basic life support, injuries, wound care, bleedings, fractures, dislocations, sprains and strains, heat-related problems, poisoning, disorders of consciousness, strangulations , foreign bodies, transport techniques, wrapping techniques, first aid kit.</p> <p><i>Credits: (2 / 1 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS:2</i> <i>Abbreviated Title:First Aid</i> <i>Category: Area Core</i> <i>Teaching Language:</i> <i>Turkish</i> <i>Keywords: emergency intervention, injury, first aid</i></p>
11.	<p>ANES228 Professional Practice The actualization of practical training in anesthesiology and reanimation departments of government and private hospitals and intensive care services.</p> <p><i>Credits: (0 / 12 / 0) 6</i> <i>Prerequisites: None</i> <i>ECTS : 11</i> <i>Abbreviated Title: Profesional Practice - II</i> <i>Category: Area Core</i> <i>Teaching Language:</i> <i>Turkish</i> <i>Keywords: proffesional practice, internship</i></p>

8.	<p>KIMY109 Basic Chemistry Metric systems, conversion factors, density, specific gravity, temperature relationships, structure of atoms, isotopes, electron arrangement, orbitals, periodic table properties, compounds, bondings, mole concept, radioactivity, physical states of matter, the general principles of inorganic chemistry, physical states of substance and energy, gases, solutions, solubility, and electrolytes. Concentration and solution properties, percentage concentrations, molarities, kinds of solutions, acids and bases, pH calculations, the neutralization reaction, buffer solutions.</p> <p><i>Credits: (3 / 1 / 0) 3</i> <i>Prerequisites: None</i> <i>ECTS : 5</i> <i>Abbreviated Title: Basic Chemistry</i> <i>Category: Area Core</i> <i>Teaching Language:</i> <i>Turkish</i> <i>Keywords: chemistry, substance</i> <i>Department offering the course: Department of Chemistry</i></p>
9.	<p>HIST280 Atatürk's Principles and History of Turkish Reforms The topics of the collapse of the Ottoman Empire, Tanzimat and Islahat, I. and II. Constitutional Period, World War I and the entry of the Ottoman Empire, the Armistice of Mudros, Atatürk's personality and his departure to Samsun, congresses period and the Independence War, the Abolition of the Sultanate, the Lausanne Peace Treaty, the principles and reforms of Atatürk and modern Turkey.</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS: 3</i> <i>Abbreviated Title: Atatürk's Principle and Turkish Reforms</i> <i>Course Category: University</i> <i>Teaching Language:</i> <i>Turkish</i> <i>Keywords: History, revolution</i> <i>Department offering the course: Ataturk Research Center</i></p>
10.	<p>PSYC111 Introduction to Psychology Definition of psychology, its history and its branches, development of behavior, personality, learning principles, behavioral disorders and their treatment, attitudes and prejudice, social influences on behavior, scientific foundations of psychology, basic concepts and the scientific method in psychology, basic processes and applications in psychology.</p> <p><i>Credits: (2 / 0 / 0) 2</i> <i>Prerequisites: None</i> <i>ECTS : 2</i> <i>Abbreviated Title: Psychology</i> <i>Category: Area Core</i> <i>Teaching</i> <i>Language: Turkish</i> <i>Keywords: psychology, science</i> <i>Department offering the course: Department of Psychology</i></p>