

COURSE INFORMATON					
Course Title	Code	Semester	L+P Hour	Credits	ECTS
Anesthesiology (Clinical Clerkship)	MED 508	Phase 5 / 9-10	17+26	3	3*

* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

Prerequisites	The student that joins this course, should completed Phase 1, 2 , 3 and 4 year courses of medical faculty.
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Compulsory
Course Coordinator	Özge KÖNER, MD, Prof.
Instructors	Özge Köner, MD, Prof. Sibel Temür, MD, PhD, Prof. Hatice Türe, MD, PhD, Prof Ferdı Menda, MD Prof. Tuğhan Utku MD Prof. Ezgi Aytaç, MD, Assistant Prof. Büşra Nizam, MD, PhD, Assist Prof
Assistants	
Goals	The course aims to equip the clerkship attendees with necessary knowledge and skills to: <ul style="list-style-type: none"> • convey necessary knowledge on anesthesia and anesthesia methods, pharmacologic properties of anesthetic agents and their clinical practice. • equip students with skills and attitudes required to manage patients in the intensive care unit.
Content	transport ventilator use, airway management (face mask ventilation, mayo tube -guide airway- insertion, laryngeal mask airway insertion), performing endotracheal intubation on proper patient or on training model, performing cardiopulmonary resuscitation, hemodynamic monitoring practice on patients, preanesthetic patient evaluation.

Learning Outcomes <i>At the end of this clerkship, the student should be able to:</i>	Program Outcomes (APK)	Teaching Methods	Assessment Methods
Students who take this course will be able to; (APK)			
Knowledge: Define anesthesia and anesthetic agents Explain basic and advanced cardiopulmonary resuscitation Explain fluid status evaluation, resuscitation Define acid-base disturbances and treatment Describe hypothermia, hyperthermia and its management during anesthesia Define pain, types, treatment Define brain death Explain intensive care unit admission criteria Recognise anaphylaxis, know treatment Recognise sepsis, treatment Recognise respiratory failure, hypoxia, and its treatment.	1.1.1 1.1.6 1.1.7 1.1.8 2.1.1 2.1.2 2.1.3	1, 2, 4, 6,9	A, B, D
Skills: Manage airway (face mask ventilation, airway insertion, laryngeal mask airway insertion, airway evaluation). Perform basic and advanced cardiopulmonary resuscitation. Practice and analyse hemodynamic monitorization Perform pre-anesthesia evaluation Interpret arterial blood gas Follow clinical reflections of anesthetic agents Analyse the patients and situations requiring intensive care unit	1.1.1 1.1.6 1.1.7 1.1.8 2.1.1 2.1.2 2.1.3 2.3.1	1, 2, 4, 6, 9	A, B, D
Attitudes: Be aware of the roles, responsibility and relationship of care providers in operating room and intensive care unit Show respect for patient rights, communicate appropriately with patient and families and provide clear and concise information about the patient's condition. Be prepared for basic and advanced cardiopulmonary resuscitation.	1.1.1 1.1.2 1.1.7 1.1.8 2.1.1 2.1.2 2.1.3 2.3.1 2.4.2 2.4.3 2.5.1 2.5.2 2.5.3	1, 2, 4, 6, 9	A, B, D

NCC 2014 – Essential Medical Procedures (National Core Curriculum)	Performance Level
Preparing medicines appropriately	4
Providing basic life support	3
Providing advanced life support	3
Giving recovery position to patient	4
Removal of foreign body with appropriate maneuver	4
Performing IM, IV enjection	4
Providing oxygen and nebulizer treatment	4
Application and assessment of pulse-oxymeter	4
Intubation	3
Starting IV line	4
"Airway" application	4
General condition and vital signs assessment	4
Respiratory system examination	3
Cardiovascular system examination	3

RECOMMENDED SOURCES	
Textbook	<ol style="list-style-type: none"> 1. www.uptodate.com 2. www.clinicalkey.com 3. Morgan & Mikhail's, Clinical Anesthesiology, Lange, McGraw Hill Publishing 2018. 6th Edition.
Additional Resources	

ASSESSMENT (APK)
<p>For further details please see Academic Program Book of Phase V at http://med.yeditepe.edu.tr/sites/default/files/phase_5_0.pdf</p>
Assessment Approaches, assessment methods and assessment tools that used in Phase V, Clerkship Programs are shown in below table.

Questions Types (Pencil-Paper Tests)	Proportion (in Pencil-Paper Tests)
Multiple Choice Questions	60%
Extended Matching Questions	20%
Key Features	20%
Total	100 %
Other Assessment Methods and Tools	Proportion (in Other Assessments Methods and Tools)
Structured Oral Exam (SOE)	80%
Portfolio Evaluation	20%
Total	100 %
Pass/Fail Decision	Proportion (in Pass/Fail Decision)
Pencil-Paper Tests	50%
Other Assessments Methods and Tools	50%
Total	100 %

* WEs consists of 50 questions.

Detailed Assessment Tables are shown for each clerkship program in related pages of Academic Program Book.

Assessment details also will be announced and explained in the introductory sessions at the beginning of the clerkship.

MATERIAL SHARING	
Documents	Shared
Assignments	Shared
Exams	After the exam; exam questions, question discussions, After performance assessment; individual performance analysis reports/feedbacks will be shared.

COURSES CONTRIBUTION TO PROGRAM					
COMPETENCE AREA-1 / Professional Practices	Contribution				
COMPETENCE 1.1. Health Service Provider	1	2	3	4	5
Competency 1.1.1. Integrates knowledge, skills, and attitudes acquired from basic and clinical medical sciences, behavioral sciences, and social sciences to provide health services.					X
Competency 1.1.2. Demonstrates a biopsychosocial approach that considers the individual's sociodemographic and sociocultural background without discrimination based on language, religion, race, or gender in patient management.					X
Competency 1.1.3. Prioritizes the protection and improvement of individuals' and community's health in the delivery of healthcare services.					
Competency 1.1.4. Performs the necessary actions in the direction of maintaining and improving the state of health as considering the individual, social, social and environmental factors affecting health.					
Competency 1.1.5. Provides health education to healthy/ill individuals and their families, as well as to other healthcare professionals, by recognizing the characteristics, needs, and expectations of the target audience.					
Competency 1.1.6. Demonstrates a safe, rational, and effective approach in the processes of protection, diagnosis, treatment, follow-up, and rehabilitation in health service delivery.				X	
Competency 1.1.7. Performs interventional and/or non-interventional procedures safely and effectively for the patient in the processes of diagnosis, treatment, follow-up, and rehabilitation.				X	
Competency 1.1.8. Provides healthcare services considering patient and employee health and safety.				X	
Competency 1.1.9. Considers changes related to the physical and socio-economic environment at both regional and global scales that affect health, as well as changes in the individual characteristics and behaviors of those who seek healthcare services.					
COMPETENCE AREA-2 / Professional Values and Approaches	Contribution				
COMPETENCE 2.1. Adopting Professional Ethics and Principles	1	2	3	4	5
Competency 2.1.1. Considers good medical practices while performing the profession.					X
Competency 2.1.2. Fulfills duties and obligations within the framework of ethical principles, rights, and legal responsibilities required by the profession.					X
Competency 2.1.3. Demonstrates determined behavior in providing high-quality healthcare while considering the patient's integrity.					X
Competency 2.1.4. Evaluates own performance in professional practices by considering own emotions and cognitive characteristics.					
COMPETENCE 2.2. Health Advocate					
Competency 2.2.1. Advocates for the improvement of healthcare service delivery by considering the concepts of social accountability and social responsibility in the protection and enhancement of community health.					
Competency 2.2.2. Plans and implements service delivery, education, and counseling processes related to individual and community health, in collaboration with all stakeholders, for the protection and improvement of health.					
Competency 2.2.3. Evaluates the impact of health policies and practices on individual and community health indicators and advocates for the improvement of healthcare quality.					
Competency 2.2.4. Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.					

COMPETENCE 2.3. Leader-Manager					
Competency 2.3.1. Demonstrates exemplary behavior and leadership within the healthcare team during service delivery.					X
Competency 2.3.2. Utilizes resources in a cost-effective, socially beneficial, and compliant manner with regulations in the planning, implementation, and evaluation processes of healthcare services as the manager in the healthcare institution.			X		
COMPETENCE 2.4. Team Member					
Competency 2.4.1. Communicates effectively within the healthcare team and takes on different team roles as necessary.					
Competency 2.4.2. Displays appropriate behaviors while being aware of the duties and responsibilities of healthcare workers within the healthcare team.					X
Competency 2.4.3. Works collaboratively and effectively with colleagues and other professional groups in professional practice.			X		
COMPETENCE 2.5. Communicator					
Competency 2.5.1. Communicates effectively with patients, their families, healthcare professionals, and other occupational groups, institutions and organizations.			X		
Competency 2.5.2. Communicates effectively with individuals and groups who require a special approach and have different sociocultural characteristics.			X		
Competency 2.5.3. Demonstrates a patient-centered approach that involves the patient in decision-making mechanisms during the diagnosis, treatment, follow-up, and rehabilitation processes.			X		
COMPETENCE AREA-3 / Professional and Personal Development	Contribution				
COMPETENCE 3.1. Scientific and Analytical Approach	1	2	3	4	5
Competency 3.1.1. Plans and implements scientific research, as necessary, for the population it serves, and utilizes the results obtained, as well as those from other research, for the benefit of the community.					
Competency 3.1.2. Accesses and critically evaluates current literature related to their profession.			X		
Competency 3.1.3. Applies evidence-based medicine principles in the clinical decision-making process.			X		
Competency 3.1.4. Uses information technologies to enhance the effectiveness of healthcare, research, and education activities.				X	
COMPETENCE 3.2. Lifelong Learner					
Competency 3.2.1. Manages effectively individual study processes and career development.					
Competency 3.2.2. Demonstrates skills in acquiring, evaluating, integrating new information with existing knowledge, applying to professional situations, and adapting to changing conditions throughout professional career.					
Competency 3.2.3. Selects the right learning resources to improve the quality of health care and organizes the learning process.				X	

COURSE CATEGORY	Expertise / Field Courses
COURSE'S CONTRIBUTION TO PROGRAM	

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity/ day	Duration (Hour)	Total Workload (Hour)
Course Duration (2 weeks)	10	4,5	45
Hours for off-the-classroom study (Pre-study, practice, review/week)	5	20	40
Homework	-	-	-
Exam	1	2	4
Total Work Load			79
Total Work Load / 30 (h)			2.63
ECTS Credit of the Course			3