

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	Sibel Temür, MD Prof. Hatice Türe, MD Prof Ferdı Menda, MD Prof. Tuğhan Utku MD Assoc. Prof. Nurcan Kızılcık, MD Assist. Prof. Ferda Kartufan, MD 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 (<i>face mask ventilation, mayo tube -guide airway- insertion, laryngeal mask airway insertion</i>), 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: <ul style="list-style-type: none"> define anesthesia and its theories, define the anesthetic agents, describe anesthesia methods and practices, evaluate anatomy of airway, list airway management equipment. 	1.1.	1, 2, 4, 6,9	A, B, D
Skills: manage airway (face mask ventilation, mayo tube -guide airway – and, laryngeal mask airway insertion, airway evaluation). do endotracheal intubation on proper patient or on training model. perform cardiopulmonary resuscitation. perform hemodynamic monitoring and analyse it.	1.1., 1.2, 1.3, 1.5., 1.6., 2.1., 2.2., 2.5., 3.3.	1, 2, 4, 6, 9	A, B, D
Attitudes: <ul style="list-style-type: none"> approach with right attitude to patients and their relatives value doctor-patient communication and patient privacy be prepared for cardiopulmonary resuscitation process follow clinical reflections of anesthetic drugs analyze which situations and patients require intensive care unit. 	1.2., 2.1., 2.2., 2.5.	1, 2, 4, 6, 9	A, B, D
Competencies: <ul style="list-style-type: none"> practice basic and advanced life support. Preanesthetic patient evaluation Airway management 	1.1., 1.2., 1.3., 2.5., 3.3.	1, 2, 4, 6, 9	A, B, D

COURSE CONTENT		
Week	Topics	Study Materials
1	Introductory Session (Introduction to Internal Medicine) 4 hours	Materials for the course provided by the instructor
1	Clinical Experience (Inpatients / outpatient) 16 hours	Materials for the course provided by the instructor
1	Lecture Introduction to General anaesthesia	Materials for the course provided by the instructor
1	Lecture Fluid-Electrolyte Balance	Materials for the course provided by the instructor
1	Lecture Acute Respiratory Insufficiency	Materials for the course provided by the instructor
1	Lecture Intoxication-I	Materials for the course provided by the instructor
1	Lecture Intoxication-II	Materials for the course provided by the instructor
1	Lecture Sepsis I	Materials for the course provided by the instructor
1	Lecture Sepsis II	Materials for the course provided by the instructor
1	Lecture Acid-Base Disorders and Arterial Blood Gas Evaluation-I	Materials for the course provided by the instructor
1	Lecture Acid-Base Disorders and Arterial Blood Gas Evaluation-II	Materials for the course provided by the instructor
1	Lecture Basic Life Support	Materials for the course provided by the instructor

1	Lecture Advanced Life Support	Materials for the course provided by the instructor
2	Clinical Experience (Inpatient / Outpatient) 20 hours	Materials for the course provided by the instructor
2	Lecture Drowning and Near Drowning	Materials for the course provided by the instructor
2	Lecture Thermoregulation	Materials for the course provided by the instructor
2	Lecture Shock	Materials for the course provided by the instructor
2	Lecture Coma / Brain Death	Materials for the course provided by the instructor
2	Lecture Anaphylaxia	Materials for the course provided by the instructor
2	Lecture Pain	Materials for the course provided by the instructor

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 nebule-inhaler treatment	4
Application and assessment of pulse-oxymer	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)

For further details please see Academic Program Book of Phase V at
http://med.yeditepe.edu.tr/sites/default/files/phase_5_0.pdf

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.

COURSE CATEGORY

Expertise / Field Courses

COURSE'S CONTRIBUTION TO PROGRAM						
	PODG.1. Basic Professional Competencies	Contribution				
	POD.1.1. Clinical Competencies	1	2	3	4	5
PO.1.1.1.	values preventive health services, offers primary prevention (i.e. prevention of diseases for the protection of health), secondary prevention (i.e. early diagnosis and treatment) tertiary prevention (i.e. rehabilitation) and quaternary prevention (i.e. prevention of excessive and unnecessary diagnosis and treatment) services, provides consultancy on these issues.			X		
PO.1.1.2.	employs a patient-centered approach in patient management.			X		
PO.1.1.3.	recognizes most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.			X		
PO.1.1.4.	takes medical history from the applicant himself/herself or from the individual's companions.			X		
PO.1.1.5.	does general and focused physical and mental examination.			X		
PO.1.1.6.	interprets findings in medical history, physical and mental examination.			X		
PO.1.1.7.	employs diagnostic procedures that are used frequently at the primary health care level.			X		
PO.1.1.8.	selects tests that have evidence-based high efficacy at the primary health care level and interprets results.			X		
PO.1.1.9.	makes clinical decisions using evidence-based systematic data in health care service.			X		
PO.1.1.10.	performs medical interventional procedures that are used frequently at the primary health care level.			X		
PO.1.1.11.	manages healthy individuals and patients in the context of health care services.			X		
PO.1.1.12.	keeps medical records in health care provision and uses information systems to that aim.			X		
	POD.1.2. Competencies related to Communication					
PO.1.2.1.	throughout his/her career, communicates effectively with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals, organizations and institutions.			X		
PO.1.2.2.	collaborates as a team member with related organizations and institutions, with other professionals and health care workers, on issues related to health.			X		
PO.1.2.3.	recognizes the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.			X		
PO.1.2.4.	communicates with all stakeholders taking into consideration the socio-cultural diversity.			X		
	POD.1.3. Competencies Related to Leadership and Management					
PO.1.3.1.	manages and leads within the health care team in primary health care organization.			X		
PO.1.3.2.	recognizes the principles of health management and health sector economy, models of organization and financing of health care services.			X		
PO.1.3.3.	recognizes the resources in the health care service, the principles for cost-effective use.			X		
	POD.1.4. Competencies related to Health Advocacy					

PO.1.4.1.	recognizes the health status of the individual and the community and the factors affecting the health, implements the necessary measures to prevent effects of these factors on the health.					
PO.1.4.2.	recognizes and manages the health determinants including conditions that prevent access to health care.					
	POD.1.5. Competencies related to Research					
PO.1.5.1.	develops, prepares and presents research projects			X		
	POD.1.6. Competencies related to Health Education and Counseling					
PO.1.6.1.	provides consultancy services and organizes health education for the community to sustain and promote the health of individual and community.		X			
	PODG.2. Professional Values and Perspectives					
	POD.2.1. Competencies related to Law and Legal Regulations					
PO.2.1.1.	performs medical practices in accordance with the legal framework which regulates the primary health care service.		X			
	POD.2.2. Competencies Related to Ethical Aspects of Medicine					
PO.2.2.1.	recognizes basic ethical principles completely, and distinguishes ethical and legal problems.			X		
PO.2.2.2.	pays importance to the rights of patient, patient's relatives and physicians, and provides services in this context.			X		
	POD.2.3. Competencies Related to Social and Behavioral Sciences					
PO.2.3.1.	relates historical, anthropological and philosophical evolution of medicine, with the current medical practice.					
PO.2.3.2.	recognizes the individual's behavior and attitudes and factors that determine the social dynamics of the community.					
	POD.2.4. Competencies Related to Social Awareness and Participation					
PO.2.4.1.	leads community with sense of responsibility, behavior and attitudes in consideration of individual behaviors and social dynamics of the community, and if there is a necessity, develops projects directed towards health care services.					
	POD.2.5. Competencies Related to Professional Attitudes and Behaviors					
PO.2.5.1.	displays a patient-centered and holistic (biopsychosocial) approach to patients and their problems.		X			
PO.2.5.2.	respects patients, colleagues and all stakeholders in health care delivery.		X			
PO.2.5.3.	displays the proper behavior in case of disadvantaged groups and situations in the community.		X			
PO.2.5.4.	takes responsibility for the development of patient safety and healthcare quality.		X			
PO.2.5.5.	evaluates own performance as open to criticism, realizes the qualifications and limitations.		X			
	PODG.3. Professional Development and Self-Worth					
	PODG.3.1. Personal Development and Values					
PO.3.1.1.	embraces the importance of lifelong self-learning and implements .					

PO.3.1.2.	embraces the importance of updating knowledge and skills; searches current advancements and improves own knowledge and skills.					
PO.3.1.3.	uses English language at least at a level adequate to follow the international literature and to establish communication related to the profession.					
POD.3.2. Competencies Related to Career Management						
PO.3.2.1.	recognizes and investigates postgraduate work domains and job opportunities.					
PO.3.2.2.	recognizes the application requirements to postgraduate work/job domains, and distinguishes and plans any requirement for further training and work experience.					
PO.3.2.3.	prepares a resume, and recognizes job interview methods.					
POD.3.3. Competencies Related to Protection and Development of Own Physical and Mental Health						
PO.3.3.1.	implements the rules of healthy living.			X		
PO.3.3.2.	displays appropriate behavior specific to work under stressful conditions.			X		
PO.3.3.3.	uses self-motivation factors.			X		

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)	10	3	30
Homework	-	-	-
Exam	2	2	4
Total Work Load			79
Total Work Load / 30 (h)			2.63
ECTS Credit of the Course			3