

COURSE INFORMATION					
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Course Title	Code	Semester	L+P+L Hour	Credits	ECTS
Intensive Care (Clinical Clerkship)	MED 551	Phase 5 / 9-10	10 + 40 + 0	2	2*

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

Prerequisites	-
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Area Elective
Course Coordinator	Özge Köner
Instructors	Sibel Temür, Tuğhan Utku
Assistants	Derya Kayacan, Rana İlgün, Hande Aksoy.
Goals	To provide students with knowledge, skills and attitudes about Intensive Care Unit.
Content	Intensive Care Unit related topics.

Learning Outcomes	Programme Learning Outcomes	Teaching Methods	Assessment Methods
After participating in this clerkship program, students should be able to			
1) Use transport ventilator, apply oxygen therapy, manage respiratory problems.	1.1.1-1.1.9 2.1.1-2.1.4 2.2.1-2.2.4 2.3.1-2.3.2 2.4.1-2.4.3 2.5.1-2.5.3 3.1.1-3.1.4 3.2.1-3.2.3	1,2,3,12	C
2) Perform cardiopulmonary resuscitation,	1.1.1-1.1.9 2.1.1-2.1.4 2.2.1-2.2.4 2.3.1-2.3.2 2.4.1-2.4.3 2.5.1-2.5.3 3.1.1-3.1.4 3.2.1-3.2.3	1,2,3,12	C
3) Perform hemodynamic monitorization and evaluation.	1.1.1-1.1.9 2.1.1-2.1.4 2.2.1-2.2.4 2.3.1-2.3.2 2.4.1-2.4.3 2.5.1-2.5.3 3.1.1-3.1.4 3.2.1-3.2.3	1,2,3,12	C

4) Manage infection in critically ill patient	1.1.1-1.1.9 2.1.1-2.1.4 2.2.1-2.2.4 2.3.1-2.3.2 2.4.1-2.4.3 2.5.1-2.5.3 3.1.1-3.1.4 3.2.1-3.2.3	1,2,3,12	C
5) Learn structural features of ICU (design, organization),	1.1.1-1.1.9 2.1.1-2.1.4 2.2.1-2.2.4 2.3.1-2.3.2 2.4.1-2.4.3 2.5.1-2.5.3 3.1.1-3.1.4 3.2.1-3.2.3	1,2,3,12	C
6) know principles of clinical nutrition in critically ill.	1.1.1-1.1.9 2.1.1-2.1.4 2.2.1-2.2.4 2.3.1-2.3.2 2.4.1-2.4.3 2.5.1-2.5.3 3.1.1-3.1.4 3.2.1-3.2.3	1,2,3,12	C

Teaching Methods:	1: Lecture, 2: Question-Answer, 3: Discussion, 12: Case Study
Assessment Methods:	C: Homework

COURSE CONTENT		
Day	Topics	Study Materials
1	Introduction to the course, explanation of course objectives and materials, course requirements and assessment, pacing schedule and obtaining materials	
1	Lecture: ICU history, structural features of ICU (design, organizational and management models),	
2	Lecture: Monitorization and evaluation.	
3	Lecture: Cardiopulmonary resuscitation.	
4	Lecture: infection management in critically ill patient	
5	Application: Management of respiratory problems.	
5	Application: Hemodynamic monitorization	
5	Homework	

RECOMMENDED SOURCES	
Textbook	Morgan & Mikhail's, Clinical Anesthesiology, Lange, McGraw Hill Publishing 2018. 6th Edition.

Additional Resources	Lecture notes
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MATERIAL SHARING	
Documents	Google Classroom
Assignments	Google Classroom

ASSESSMENT		
IN-TERM STUDIES	NUMBER	PERCENTAGE
Class Performance	1	30
Assignment	1	70
Total		100
CONTRIBUTION OF FINAL EXAMINATION TO OVERALL GRADE		100
Total		100

COURSE CATEGORY	Expertise/Field Courses
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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.				X	
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.				X	
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.				X	
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.				X	
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.			x		
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.			x		
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.			x		
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.				x	

Competency 2.2.4. Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.				x	
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.					x
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.				x	
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.				x	
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.				x	
Competency 3.2.3. Selects the right learning resources to improve the quality of health care and organizes the learning process.				x	

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity	Duration (Hour)	Total Workload (Hour)
Lecture	5	2	10
Clinical Application	5	8	40
Hours for off-the-classroom study (Pre-study, practice, review/week)	5	5	6
Homework	1	8	8
Term Paper	1	10	4
Total Work Load			68
Total Work Load / 30 (h)			2.27
ECTS Credit of the Course			2