

COURSE INFORMATION					
Course Title	<i>Code</i>	<i>Semester</i>	<i>L+P+L Hour</i>	<i>Credits</i>	<i>ECTS</i>
Disaster Medicine(Clinical Clerkship)	MED 451	Phase 4/7-8	6 + 2	2	2*

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

Prerequisites	-
----------------------	---

Language of Instruction	Turkish/English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Area Elective
Course Coordinator	M.Ferudun Çelikmen
Instructors	Mustafa Ferudun Çelikmen, Özkan Eraslan, Mustafa Yazıcıoğlu, Erman Uygun, Hande Candemir, Cem Şimşek
Assistants	Yunus Emre Vural, Ayfer İskender, Fahrettin Atakan Gültekin
Goals	Defining disaster types and emphasizing the importance of disaster medicine in mass injuries in earthquakes, wars, increasing traffic accidents, landslides caused by deforestation, mine collapses, avalanches, which can cause tens of thousands of deaths and hundreds of thousands of serious injuries in a few seconds as a result of bad urbanization due to human errors.
Content	Introduction to crush injuries, compartment syndrome, fasciotomy, interosseous fluid administration, advanced airway opening, spine fixation, urban search and rescue principles.

Learning Outcomes	Programme Learning Outcomes	Teaching Methods	Assessment Methods
After participating in this clerkship program, students should be able to			
1) Disaster Types and Preparedness	Contributes to all outcomes.	1,2,3,12	C
2) Hospital Disaster Plans	Contributes to all outcomes.	1,2,3,12	C
3) Disaster Triage	Contributes to all outcomes.	1,2,3,12	C
4) Clinical approach to large-scale CBRN-P events	Contributes to all outcomes.	1,2,3,12	C

5) Decontamination	Contributes to all outcomes.	1,2,3,12	C
6) Quarantine	Contributes to all outcomes.	1,2,3,12	C
7) Discuss, how SAR person can help develop and/or support a medical personnel	Contributes to all outcomes.	1,2,3,12	C
8) Practice, intraosseoz line estab.	Contributes to all outcomes.	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: Disaster Medicine	
1	Lecture: Disaster preparedness, protection	
1	Lecture: Disaster Management in Türkiye	
2	Lecture: Health facility disaster management	
2	Application: Disaster emergency scene management	
3	Application: Floods, land slides	
4	Application: Disaster Epidemiology	
5	Application: Hazard and risk management in disasters	
6	Application: Dangers to be encountered in fires	
7	Homework: Approaches to capacity inadequacy in disasters	

RECOMMENDED SOURCES

Textbook	
-----------------	--

Additional Resources	Lecture notes
-----------------------------	---------------

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
------------------------	-------------------------

COURSE'S CONTRIBUTION TO PROGRAMME						
No	Program Learning Outcomes	Contribution				
		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.					
PO.1.1.4.	takes medical history from the applicant himself/herself or from the individual's companions. consideration the socio-cultural diversity.	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. taking into consideration the socio-cultural diversity.		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	
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
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		
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.			X	
PO.1.4.2.	recognizes and manages the health determinants including conditions that prevent access to health care.		X		
PO.1.5.1.	develops, prepares and presents research projects.	X			
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	
PO.2.1.1.	performs medical practices in accordance with the legal framework which regulates the primary health care service.	X			
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			

PO.2.3.1.	relates historical, anthropological and philosophical evolution of medicine, with the current medical practice.	X			
PO.2.3.2.	recognizes the individual's behavior and attitudes and factors that determine the social dynamics of the community.		X		
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.			X	
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
PO.3.1.1.	embraces the importance of lifelong self-learning and implements.				X
PO.3.1.2.	embraces the importance of updating knowledge and skills; searches current advancements and improves own knowledge and skills.				X
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	X			
PO.3.2.1.	recognizes and investigates postgraduate work domains and job opportunities.			X	
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.	X			
PO.3.2.3.	prepares a resume, and recognizes job interview methods.			X	
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	Duration (Hour)	Total Workload (Hour)
Lecture	10	1	10
Practical applying	11	2	22
Hours for off-the-classroom study (Pre-study, reinforcement, homework, project)	12	2	24
Final	1	2	2
Total Work Load			58
Total Work Load / 30 (h)			1.93
ECTS Credit of the Course			2