

COURSE INFORMATION					
Course Title	Code	Semester	L+P Hour	Credits	ECTS
Case Based Forensic Science	MED 634	Phase 1/2/3	28	2	2*

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

Prerequisites	None
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Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Free Elective
Course Coordinator	
Instructors	Sitki Tiplamaz, MD Assist. Prof.
Assistants	-
Goals	To increase the awareness of students about forensic cases by presenting them as real case presentations through forensic sciences, where some of the patients that they will examine routinely in their professional lives are forensic cases.
Content	In each course, brief introduction information about one of the basic forensic sciences will be given, and with the help of this forensic science, how the case is elucidated and how the process is managed, will be explained in the courses.

Learning Outcomes Students who take this course will be able to	Program Outcomes	Teaching Methods	Assessment Methods
give preliminary information about what the forensic sciences are, and their relationship with medicine and each other.		1,2,3,4	A,B,C
give examples an idea about the types of forensic cases they may encounter in their professional routine.		1,2,3,4	A,B,C
gain the awareness that every patient that they examine can turn into a forensic case.		1,2,3,4	A,B,C
explain the liability of healthcare professionals against forensic cases and what kind of problems both patients and healthcare professionals may encounter if they are omitted.		1,2,3,4	A,B,C
give preliminary information about the management process of the forensic case.		1,2,3,4	A,B,C

explain the importance of the holistic approach in the management of forensic cases		1,2,3,4	A,B,C
explain the importance of professionalization and coordination in forensic science.		1,2,3,4	A,B,C

Teaching Methods:	1: Lecture, 2: Q-A, 3: Group discussion, 4: Small group teaching methods
Assessment Methods:	A: Exam, B: Paper, C: Student presentation,

COURSE CONTENT		
Week	Topics	Study Materials
1	Introduction to Forensic Sciences	
2	Forensic Pathology and Case Presentation	
3	Forensic Anthropology and Case Presentation	
4	Forensic Odontology and Case Presentation	
5	Forensic Entomology and Case Presentation	
6	Forensic Genetic and Case Presentation	
7	Forensic Ballistics and Case Presentation	
8	Friction Ridge Examination and Case Presentation	
9	Forensic Toxicology and Case Presentation	
10	Questioned Documents and Case Presentation	
11	Forensic Hair Examinations and Case Presentation	
12	Fires and Explosions and Case Presentation	
13	Law and Forensic Sciences	
14	A Holistic Approach to Forensic Sciences	

RECOMMENDED SOURCES	
Textbook	1. Siegel JA, Saukko PJ, Houck MM, eds. <i>Encyclopedia of Forensic Sciences</i> . 2nd ed. Academic Press/Elsevier; 2013. https://www.sciencedirect.com/referencework/9780123821669/encyclopedia-of-forensic-sciences . Accessed August 20, 2020. 2. Houck MM, Siegel JA. <i>Fundamentals of Forensic Science</i> . 2nd ed. Academic Press/Elsevier; 2010. https://www.elsevier.com/books/fundamentals-of-forensic-science/houck/978-0-12-374989-5 .
Additional Resources	3. Butler JM (John M, Butler JM (John M. <i>Fundamentals of Forensic DNA Typing</i> . Academic Press/Elsevier; 2010. https://www.sciencedirect.com/science/book/9780123749994 . Accessed March 12, 2017.

MATERIAL SHARING	
Documents	-
Assignments	-
Exams	-

COURSE CATEGORY	Free elective
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COURSE'S CONTRIBUTION TO PROGRAM						
No	Program Learning Outcomes	Contribution				
		1	2	3	4	5
1	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				
2	PO.1.1.2. employs a patient-centered approach in patient management.			x		
3	PO.1.1.3. recognizes most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.		x			
4	PO.1.1.8. selects tests that have evidence-based high efficacy at the primary health care level and interprets results.	x				
5	PO.1.1.12. keeps medical records in health care provision and uses information systems to that aim.		x			
6	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			

7	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		
8	PO.1.2.3. recognizes the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.			x		
9	PO.1.3.1. manages and leads within the health care team in primary health care organization.	x				
10	PO.1.5.1. develops, prepares and presents research projects	x				
11	PO.2.1.1. performs medical practices in accordance with the legal framework which regulates the primary health care service.			x		
12	PO.2.2.1. recognizes basic ethical principles completely, and distinguishes ethical and legal problems.		x			
13	PO.2.3.1. relates historical, anthropological and philosophical evolution of medicine, with the current medical practice.			x		
14	PO.2.5.1. displays a patient-centered and holistic (biopsychosocial) approach to patients and their problems.	x				
15	PO.2.5.2. respects patients, colleagues and all stakeholders in health care delivery.	x				
16	PO.2.5.3. displays the proper behavior in case of disadvantaged groups and situations in the community.	x				
17	PO.3.1.1. embraces the importance of lifelong self-learning and implements .			x		
18	PO.3.1.2. embraces the importance of updating knowledge and skills; searches current advancements and improves own knowledge and skills.		x			

ASSESSMENT		
IN-TERM STUDIES	NUMBER	PERCENTAGE
Assignments	1	50
Final Examination	1	50
Total		100
CONTRIBUTION OF FINAL EXAMINATION TO OVERALL GRADE		50
CONTRIBUTION OF IN-TERM STUDIES TO OVERALL GRADE		50
Total		100

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION			
Activities	Quantity	Duration (Hour)	Total Workload (Hour)
Duration (Total of exam and class hours)	14	2	28
Out of class study time	14	1	14
Mid-term exam	-	-	-
Assignments	1	14	14
Final	1	4	4
Total Work Load			60
Total Work Load / 30 (h)			2
ECTS Credit of the Course			2