

Medicine			
Bachelor	TR-NQF-HE: Level 7	QF-EHEA: Second Cycle	EQF-LLL: Level 7

Course Introduction and Application Information

Course Code:	UNI336		
Course Name:	Design Thinking		
Semester:	Spring Fall		
Course Credits:	<div>ECTS</div> <div>5</div>		
Language of instruction:	Turkish		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	University Elective		
Course Level:	<div>Bachelor</div> <div>TR-NQF-HE:7. Master`s Degree</div> <div>QF-EHEA:Second Cycle</div> <div>EQF-LLL:7. Master`s Degree</div>		
Mode of Delivery:	E-Learning		
Course Coordinator:	Prof. Dr. HATİCE ÖZ PEKTAŞ		
Course Lecturer(s):	MELDA GÖKNEL		
Course Assistants:			

Course Objective and Content

Course Objectives:	<p>Course Objectives This course introduces the basic principles of interaction, service, product and system design with the first and foremost focus on people's needs, choices, and experiences rather than anything else. The course addresses the underlying framework for understanding and practicing fundamental concepts, tools, and design processes with a broad focus on all stakeholders rather than only end-users. Various tools and techniques such as co-designing,</p>
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	envisioning, testing and prototyping, role-playing and touchpoints are introduced throughout the course. Students, individually and as a team, experience a series of hands-on, class-based exercises on the methodology of creating products and services.
Course Content:	Course Content To introduce students to theoretical knowledge, conceptual approaches, and practical skills of Design Thinking to understand and learn human-centered design methodology.

Learning Outcomes

The students who have succeeded in this course;

- 1) Recognize the basic principles of Design Thinking and human-centered design methodology.
- 2) Define exemplary business and design problems by using various tools and techniques of the methodology.
- 3) Apply the principles of the methodology to develop solution proposals considering various stakeholders.
- 4) Prepare an innovative project proposal in line with the main requirements of the methodology as a team.

Course Flow Plan

Week	Subject	Related Preparation
1)	Meet and Greet, Forming Final Project Groups, Fundamentals of the course and needed equipment	-
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2)	What is Human Centered Design?	-
3)	Empathy Methods– field work	-
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4)	Persona – in class exercise	-
5)	Defining the problem	-
6)	Mad Lib and HMWQ – in class exercise	-
7)	Ideation Methods – in class exercise	-
8)	MID SEMESTER PRESENTATION OF THE FINAL PROJECT	-
9)	Feed-back on projects and strategies for further development	-
10)	Prototype and Test – in class exercise	-

11)	Project evaluation with RWW – in class exercise (may be holiday)	-
12)	Making a design budget and production timeline	-
13)	Storytelling for design	-
14)	Final presentation	-

Sources

Course Notes / Textbooks:	The Design of Everyday Things, Don Norman, 1988. Tasarım Odaklı Düşünce-Design Thinking, Emrah Kozan, 2021.
References:	The Design of Everyday Things, Don Norman, 1988. Tasarım Odaklı Düşünce-Design Thinking, Emrah Kozan, 2021.

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4
Program Outcomes				
1) When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.				
2) knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.				
3) is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.				
4) knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.				
5) can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.				
6) knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.				
7) can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.				

Course Learning Outcomes	1	2	3	4
8) knows the clinical decision-making process, evidence-based medicine practices and current approaches.				
9) knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.				
10) knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.				
11) is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.				
12) knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.				
13) can collect health data, analyze them, present them in summary, and prepare forensic reports.				
14) knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.				
15) knows employee health, environment and occupational safety issues and takes responsibility when necessary.				
16) knows health policies and is able to evaluate their effects in the field of application.				
17) keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.				
18) applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.				

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	When Istinye University Faculty of Medicine student is graduated who knows the historical	

	development of medicine, medical practices, and the medical profession and their importance for society.	
2)	knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.	
3)	is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	
4)	knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.	
5)	can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.	
6)	knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	
7)	can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	
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Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Midterms	1	% 40
Final	1	% 60
total		% 100
PERCENTAGE OF SEMESTER WORK		% 40
PERCENTAGE OF FINAL WORK		% 60
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Workload
Course Hours	5	10
Application	16	32
Special Course Internship (Work Placement)	5	10
Field Work	2	4
Study Hours Out of Class	3	4
Presentations / Seminar	3	6
Project	16	32
Quizzes	5	10

Midterms	4	8
Final	1	2
Total Workload		118