

Course Title	Code	Semester	L+P Hour	Credits	ECTS
Epidemiological Research and Evidence Based Medicine	MED 621	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

GENERAL INFORMATION	
Prerequisites	-
Coordination Committee	Medical Faculty Building 6th floor.
Email address for inquiries	
Attendance	Students are required to attend at least 80% of the classes/practices
Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Elective
Course Coordinator	Asst. Prof. Hale Arik Tasyikan
Instructors	Asst. Prof. Hale Arik Tasyikan, hale.arik@yeditepe.edu.tr Prof. Recep Erol Sezer
Goals	The purpose is to provide understanding of epidemiological language and terminology by reading, examining and discussing various types of epidemiological research papers and to develop the desire and enthusiasm to epidemiological studies.
Content	The course aims to perform different sessions for each type of epidemiological research. The selected research types will be case report, cross-sectional, case- control, cohort study, and randomized controlled trial.

COURSE LEARNING OUTCOMES		
Students who take this course will	Teaching Methods	Assessment Methods
Be able to understand various types of epidemiological research.	1,2,3	A,B
Be able to understand basic epidemiological terminology.	1,2,3	A,B
Teaching Methods:	1:Lecture 2-Small Group Workshops 3-Homework	
Assessment Methods:	A: Exam; B:Homework Evaluation	

COURSE CONTENT		
Week	Topics	Study Materials
1	Case reports: Introduction and discussion of a selected article	Lecture Notes & Small Groups Guideline
2	Case reports: Small groups presentation and discussion	Lecture Notes & Small Groups Guideline
3	Cross-sectional study: Introduction and discussion of a selected article	Lecture Notes & Small Groups Guideline
4	Cross sectional study: Small groups presentation and discussion	Lecture Notes & Small Groups Guideline
5	Case-control study: Introduction and discussion of a selected article	Lecture Notes & Small Groups Guideline
6	Case control study: Small groups presentation and discussion	Lecture Notes & Small Groups Guideline
7	Midterm exam	
8	Cohort study: Introduction	Lecture Notes & Small Groups Guideline
9	Cohort study: Discussion of a selected article	Lecture Notes & Small Groups Guideline
10	Cohort study: Small groups presentation and discussion	Lecture Notes & Small Groups Guideline
11	Randomized controlled trial: Introduction	Lecture Notes & Small Groups Guideline
12	Randomized controlled trial : Discussion of a selected article	Lecture Notes & Small Groups Guideline

13	Randomized controlled trial : Small groups presentation and discussion	Lecture Notes & Small Groups Guideline
14	Final exam	

COURSE MATERIALS	
Text Books	Gordis, L. (2014). <u>Epidemiology</u> . Philadelphia, PA, Elsevier/Saunders.
Additional Resources	Lecture notes

ASSESSMENT		
	NUMBER	PERCENTAGE
Midterm Exam	1	25
Assignments (Homework)	1	10
Evaluation of Group Presentations	1	20
Final Exam	1	45
Total		100

CONTRIBUTION TO PROGRAM OUTCOMES						
No	Program Learning Outcomes	Contribution				
		1	2	3	4	5
P.O.1.1.9	Makes clinical decisions using evidence-based systematic data in health care services					X
P.O.1.5.1	Develops, prepares and presents research projects				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	

ECTS ALLOCATION			
Activity	Quantity	Duration(Hours)	Total Workload(Hours)
Lectures	14	1	14
Independent learning	14	2	28
Site visit	-	-	-
Big Team Work and Presentations	1	2	2
Mid-term exam	1	2	2
Small Group Works	14	1	14
Assignments	1	5	5
Final exam	1	2	2
Total Work Load			67
Total Work Load / 30 (h)			2.23
ECTS Credits			2