

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
MANAGERIAL EPIDEMIOLOGY	SAYY1223910	Spring Semester	3+0	3	8
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Second Cycle (Master's Degree)				
Course Type	Required				
Course Coordinator	Assoc.Prof. Ozan Emre EYUPOĞLU				
Name of Lecturer(s)	Assoc.Prof. Ozan Emre EYUPOĞLU				
Assistant(s)	Research. Assist. Yaşar GÖKALP				
Aim	To evaluate the basic strategies of epidemiology and to learn the skills of using epidemiological studies as a management tool.				
Course Content	This course contains; Introduction to epidemiology: Definition and areas of use,Evidence-Based Management and Epidemiology,Variable, Data, Information, Knowledge,Types of epidemiological research: Observational studies,Types of epidemiological research: Experimental studies,Concepts of causality and risk,Concepts of health and disease and their determinants,Health status and health level measures,Mortality and mortality criteria,Standardization of metrics,Quality of Life and Burden of Disease concepts,Evaluating healthcare: TQM metrics,Evaluating health services: Service use criteria,Epidemiological and Demographic Transition Theories.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Discusses the definition, usage, methods and areas of use of epidemiology.			10, 14, 16, 19, 9	A, E	
Explains the cause-effect relationship and causality factors in epidemiology.			10, 14, 16, 19, 9	A, E	
Can distinguish epidemiological research methods and research types.			10, 14, 16, 19, 9	A, E	
Uses the epidemiological approach in examining different health problems.			10, 14, 16, 19, 9	A, E	
Measures infectious diseases control programs.			10, 14, 16, 19, 9	A, E	
Discusses the relationship between epidemiology and health policies.			10, 14, 16, 19, 9	A, E	
Applies epidemiological principles in planning health services and evaluating programs.			10, 14, 16, 19, 9	A, E	
Interprets health indicators.			10, 14, 16, 19, 9	A, E	
Teaching Methods	10: Discussion Method, 14: Self Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction to epidemiology: Definition and areas of use	Examination of academic studies on the subject.			
2	Evidence-Based Management and Epidemiology	Examination of academic studies on the subject.			
3	Variable, Data, Information, Knowledge	Examination of academic studies on the subject.			
4	Types of epidemiological research: Observational studies	Examination of academic studies on the subject.			
5	Types of epidemiological research: Experimental studies	Examination of academic studies on the subject.			
6	Concepts of causality and risk	Examination of academic studies on the subject.			
7	Concepts of health and disease and their determinants	Examination of academic studies on the subject.			
8	Health status and health level measures	Examination of academic studies on the subject.			
9	Mortality and mortality criteria	Examination of academic studies on the subject.			
10	Standardization of metrics	Examination of academic studies on the subject.			
11	Quality of Life and Burden of Disease concepts	Examination of academic studies on the subject.			
12	Evaluating healthcare: TQM metrics	Examination of academic studies on the subject.			
13	Evaluating health services: Service use criteria	Examination of academic studies on the subject.			
14	Epidemiological and Demographic Transition Theories	Examination of academic studies on the subject.			
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources
Lecture Notes, Powerpoint Presentations, Web pages related to the subject