

Vocational School / Medical Documentation and Secretariat

2022 - 2023 Academic Year

EPIDEMIOLOGY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
EPIDEMIOLOGY	TDS1228800	Spring Semester	2+0	2	4
Prerequisites Courses					
Recommended Elective Courses	non				
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Lect. Semiha Mervenur KALENDER				
Name of Lecturer(s)	Assist.Prof. Nihal SUNAL				
Assistant(s)					
Aim	The aim of the course is to assess the basic strategies of epidemiology as a methodology as well as types and uses of epidemiologic studies.				
Course Content	This course contains; 1. Introduction to Epidemiology,2. Health Indicators,3. Epidemiologic Studies-I,4. Epidemiologic Studies-II,5. Data collection and evaluation,6. Casualty in Epidemiology,7. Epidemiology of Chronical Diseases,8. Epidemiology of Infectious Diseases,9. Evidence-based medicine and clinical epidemiology,10.Health records, morbidity and mortality reporting,11.Epidemiology, health policy and health planning,12.Case studies,13.Case studies,14.Epidemiologic study planning.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. will be able to debate about the definition, significance, methods and uses of epidemiology.			1, 10, 2, 3	A	
1.1. S/he recognizes epidemiology and its significance.			1, 10, 2, 3	A	
1.2. S/he summarizes about the development and history of epidemiology.			1, 10, 2, 3	A	
1.3. S/he identifies the uses and data resources of epidemiology.			1, 10, 2, 3	A	
1.4. S/he explains the causal relation and causality factors of epidemiology.			1, 10, 3	A	
2. will be able to distinguish between epidemiologic methods and types of epidemiologic studies.			1, 10, 2, 3	A	
2.1. S/he explains descriptive epidemiological studies and its characteristics.			1, 10, 2, 3	A	
2.2. S/he explains analytic epidemiological studies and its characteristics.			1, 2, 3	A	
2.3. S/he explains intervention studies and its characteristics.			1, 2, 3	A	
2.4. S/he distinguishes which epidemiological methods should be used in health related research.			1, 10, 2, 3		
3. Will be able to debate about the relation between epidemiology and health policies.			1, 10, 2	A	
3.1. S/he defines the concepts of health policy and health planning.			1, 10, 2, 3	A	
3.2. S/he explains what health data is and how they are collected.			1, 10, 2, 3	A	
3.3. S/he interprets health indicators by using health records.			1, 10, 3	A	
3.4. S/he debates the importance of epidemiological studies in developing, implementing and evaluating health policies.			1, 10, 19, 2	A	
4. Will be able to evaluate the epidemiological approach to analyze different health problems.			1, 10, 2, 3	A	
4.1. S/he explains basic concepts of infectious diseases and methods of prevention and control of these diseases.			1, 10, 15, 2, 3	A	
4.2. S/he defines surveillance and explains its uses and significance.			1, 10, 15, 2	A	
4.3. S/he recognizes the importance of chronical diseases and explains the concepts of prevention and screening as well as their implementations.			1, 10, 3	A	
Teaching Methods	1: Lecture, 10: Brainstorming, 15: Problem solving, 19: Concept map, 2: Question - Answer, 3: Discussion				
Assessment Methods	A: Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	1. Introduction to Epidemiology	Reading lecture note			
2	2. Health Indicators	Reading lecture note			
3	3. Epidemiologic Studies-I	Reading lecture note			
4	4. Epidemiologic Studies-II	Reading lecture note			
5	5. Data collection and evaluation	Reading lecture note			
6	6. Casualty in Epidemiology	Reading lecture note			
7	7. Epidemiology of Chronical Diseases	Reading lecture note			
8	8. Epidemiology of Infectious Diseases	Reading lecture note			
9	9. Evidence-based medicine and clinical epidemiology	Reading lecture note			
10	10.Health records, morbidity and mortality reporting	Reading lecture note			
11	11.Epidemiology, health policy and health planning	Reading lecture note			
12	12.Case studies	Reading lecture note			
13	13.Case studies	Reading lecture note			
14	14.Epidemiologic study planning	Reading lecture note			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources

Lecture notes, Relevant web pages Sabahat Tezcan; Epidemiyoloji. Tibbi Araştırmaların Yöntem Bilimi Turhan Akbulut, H. Hilmi Sabuncu; Epidemiyoloji. Prensipler ve Uygulamalar R. Bonita, R. Beaglehole, T. Kjellström; Temel Epidemiyoloji