

**Vocational School / Medical Documentation and Secretariat**  
**2022 - 2023 Academic Year**  
**BASIC BIOSTATISTICS**  
**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
BASIC BIOSTATISTICS	TDS2174600	Fall Semester	2+0	2	4
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Lect. Aslıhan DEMİRCAN				
<b>Name of Lecturer(s)</b>	Assoc.Prof. Serkan ETİ				
<b>Assistant(s)</b>					
<b>Aim</b>	To give students knowledge of biostatistics will be required in professional life.				
<b>Course Content</b>	This course contains; 1. Health Services and Biostatistics-I.,2. Health Services and Biostatistics-II.,3. Basic Statistical Concepts, Data Classification, Research.,4. Introduction to Excel.,5. Frequency Distributions-I.,6. Frequency Distributions-II.,7. Excel Application.,8. Table and Graph Making I.,9. Table and Graph Making II.,10. Excel Application.,11. Health Statistics-I.,12. Health Statistics-II.,13. Health Statistics-III.,14. Excel Application..				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
1 Discuss the use of health care statistics.			1, 10, 3	A	
1.1. definition statistics and biostatistics.			1, 10, 2, 3	A	
1.2. summarize the use of biostatistics in health care.			1, 10, 2, 3	A	
1.3. give examples of the use of biostatistics in health care.			1, 10, 2, 3	A	
2 Discuss the basic concepts of biostatistics.			1, 10, 15, 2	A	
2.1. define the basic concepts of biostatistics.			1, 10, 2, 3	A	
2.2. explain with examples the basic concepts of biostatistics.			1, 10, 3	A	
2.3. establishes a relationship between the basic concepts of biostatistics and health services.			1, 10, 15, 2	A	
3 Discuss the use of statistics in medical documentation services.			1, 10, 2, 3	A	
3.1. summarize the frequency distributions and descriptive criteria.			1, 10, 2, 3	A	
3.2. illustrate the frequency distributions and descriptive criteria.			1, 10, 15, 2	A	
3.3. summarize making a table and a graph, give examples.			1, 10, 2, 3	A	
<b>Teaching Methods</b>	1: Lecture, 10: Brainstorming, 15: Problem solving, 2: Question - Answer, 3: Discussion				
<b>Assessment Methods</b>	A: Written Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	1. Health Services and Biostatistics-I.				
2	2. Health Services and Biostatistics-II.				
3	3. Basic Statistical Concepts, Data Classification, Research.				
4	4. Introduction to Excel.				
5	5. Frequency Distributions-I.				
6	6. Frequency Distributions-II.				
7	7. Excel Application.				
8	8. Table and Graph Making I.				
9	9. Table and Graph Making II.				
10	10. Excel Application.				
11	11. Health Statistics-I.				
12	12. Health Statistics-II.				
13	13. Health Statistics-III.				
14	14. Excel Application.				
<b>Evaluation Methods</b>			<b>Weight(%)</b>		
Midterm Exam			40		
General Exam			60		

<b>Resources</b>
Biostatistics notes will be given to the students. Tıpta İstatistik Yöntem ve Uygulamaları, Yaşar Heperkan. Biyoistatistik, Kadir Sümbüloğlu, Vildan Sümbüloğlu. Sağlık Alanına Özel İstatistikler Yöntemler, Kadir Sümbüloğlu. Bilgisayar (Excel) destekli Uygulamalı İstatistik, Mustafa Akkurt.