Course Name	Code	Semester	Theory (hrs/week)	Application (hrs/week)	Laboratory (hrs/week)	ECTS
BIOSTATISTICS	BIS 551	Rounds 1 and 2 Semester	3	0	0	5
Prerequisites	No					
Course language	Turkish					
Course Type	Imperative					
Learning and teaching techniques of the course	Lecture, Question-Answer, Demonstration, Practice - Practice					
Course instructor(s)	Prof. Dr. Vildan SÜMBÜLOĞLU, Assoc. Prof. Dr. Pınar GÜNEL					
Course objectives	Emphasizing the role of biostatistical methods and principles in the field of health; teaching basic concepts; Gaining sufficient biostatistical knowledge and experience in the planning, execution, evaluation and interpretation of the results of the researches					
Learning outcomes of the course	At the end of this course, students will be able to; 1. Explain the basic concepts related to biostatistics, 2. Calculate descriptive statistics, 3. Determine the appropriate type of table and graph, 4. Define the concept and methods of sampling, 5. Determine the appropriate materiality test.					
Resources	1. Sümbüloğlu Kadir and Sümbüloğlu Vildan. **Biostatistics**. 16. bs., Ankara, Hatiboğlu Publishing House, 2014. 2. Akdag Beyza and Sümbüloğlu Kadir. **Materiality Tests**, 2010, Hatiboğlu Basım ve Yayim San. Tic. Ltd. Şti. 3. Ozdamar Kazim. **Biostatistics with SPSS**. Expanded Fifth Edition, 2003, Kaan Bookstore. 4. Alpar Reha. **Applied Statistics and Validity-Reliability with Examples from Sports, Health and Education Sciences**, 2010, Detay Publishing. 5. Steel Joseph. **How? Biostatistics, Scientific Research, SPSS**, 2011. 6. Dentist Rian. **Basic and Clinical Biostatistics**, Refurbished 2. Edition, 2011, Istanbul Medical Bookstore. 7. Daniel W.W. **Biostatistics A foundation for Analysis in The Health Sciences.** 2005, John Wiley and Sons, USA. 8. Schork M.A., Remigton R.D. **Statistics with Applications to the Biological and Health Sciences**. 2000, Prentice Hall, New Jersey, USA. 9. Dawson B., Trapp R.G., **Basic&Clinical Biostatistics**, 2004, McGraw-Hill Companies Inc. Newyork, USA.					

Weekly Course Topics:

WEEKS	TOPICS TO BE DISCUSSED
1. Week	Healthcare & Biostatistics
2. Week	Frequency Distributions, Descriptive Measures of Distributions
3. Week	Table and Graphic Making Method
4. Week	Instantiation
5. Week	General Information About Materiality Tests
6. Week	Significance Test of the Difference Between Two Means
7. Week	Significance Test of the Difference Between Two Spouses
8. Week	**I. NOW SINAV**
9. Week	Varying Analysis
10. Week	Varying Analysis
11. Week	Significance Test of the Difference Between Two Percentages Universe Mean and Universe Ratio Significance Test
12. Week	Ki-kare Testi
13. Week	Non-Parametric Tests
14. Week	Correlations to Regression Analysis
15. Week	**FINALE**

Student Workload Table

Events	Number	Time	Total Workload
Lesson	14	3	42
Laboratory			
Application			
Fieldwork			
Out-of-Class Study Time (Freelancing/Group Work/Pre-Study)	14	4	56
Presentation (Shooting videos/Preparing posters/Making Oral Presentations/Focus Group Interviews/Conducting Surveys/Observation and Report Writing)			
Seminar Preparation			
Project			
Case Study			
Role Playing, Dramatizing			
Writing an article-Criticizing			
Mid-term exams	2	10	20
Final exams	1	7	7
Total workload (hours) / 25(s)	125/25=5		
Ders ACT	**5**		

Evaluation System

Semester Studies	**Number**	**Contribution**
Midterm Exam	1	%25
Quiz		
Laboratory		
Application		
Fieldwork		
Course-Specific Internship (If Available)		
Assignments	1	%25
Presentation and Seminar		
Projects		
Other		
Total of the work done during the semester		%50
End of semester studies		
Finale	1	%50
Homework		
Application		
Laboratory		
Total of the final studies		%50
The Contribution of Semester Studies to the Success Grade		%50
The Contribution of the Final Exam to the Success Grade		%50
Sum of the success grade		100

Associating the Learning Outcomes of the Course with the Program Competencies						
	Program Qualifications	**Learning Outcomes**				
		ÖÇ1	ÖÇ2	ÖÇ3	ÖÇ4	ÖÇ5
1.	To be able to develop and deepen their knowledge at the level of expertise,	4				
2.	To be able to transform theoretical and practical knowledge at the level of expertise into behavior					
3.	To be able to create new knowledge by integrating knowledge in the field of expertise with information from different disciplines	4	3	3	3	3
4.	To be able to solve problems that require expertise by using scientific research methods	5	5	5	5	5
5.	To be able to develop new strategic approaches and to produce solutions by taking responsibility in unforeseen complex situations that will be encountered in the applications in the field of expertise					
6.	To be able to systematically convey current developments in the field of expertise and his/her own studies to groups in and outside the field in written, oral and visual forms.					
7.	To be able to use computer software and information and communication technologies at an advanced level as required by the field of expertise, to be able to translate into English.	2	2	2	2	2
8.	To be able to develop implementation plans on issues related to the field of expertise and to evaluate the results obtained within the framework of quality processes,					
9.	To be able to share these values by considering social, scientific and ethical values during the collection, interpretation and announcement of data related to the field of expertise.	5	4	4	4	4
Qualification level: 1: Low, 2: Low/Medium, 3: Medium, 4: High, 5: Excellent						