Course Name	Code	Semester	Teorik (saat/hafta)	Application (hrs/week)	Laboratory (hrs/week)	ECTS
In Health Sciences Research Methods	BIS602	2nd Semester	3	0	0	5
Prerequisites	No					
Course Language	Turkish					
Course Type	Imperative					
Learning and Teaching Techniques	Lecture, Question-Answer, Practice - Exercise					
Course Instructor(s)	Prof. Dr. Vildan Sümbüloğlu, Assoc. Prof. Dr. Pınar Günel					
Course Objectives	To provide students with basic information about research planning and stages and to prepare them for research					
Learning Outcomes	1. Define research methods, 2. Can express the stages of the research, 3. Express basic knowledge about research planning, 4. Can write a research report.					
Resources	1. Sümbüloğlu Vildan and Sümbüloğlu Kadir. Research Methods in Health Sciences. 6. bs., Ankara, Hatiboğlu Publishing House, 2013. 2. Friis RH, Sellers TA. Epidemiology for public health practice. fourth edition, 2009. Jones and Bartlett publishers . Canada 3. Rothman K.. J, Greenland S, Lash T.l. Modern Epidemiology. 3Rd Edition, Wolters Kluwer/Lippincot Williams&Wilkins, 2008,Philadelphia 4. Aksakaoğlu G. Research Techniques and Analysis Methods in Health. Izmir, Dokuz Eylül University Rectorate Printing House. 2001. 5. Ed: İnci E., Aksayan S., Bahar Z., Bayık A., Emiroğlu O., Erefe İ., Görak G., Karataş N., Kocaman G., Kubilay G., Seviğ U. Research Principles and Process Methods in Nursing. Istanbul, 2002 6. Erdogan, I. (2003). Positivist Methodology. Scientific Research Design, Statistical Methods, Analysis and Interpretation. Spring of power. 1st Edition, Ankara. 7. Tavşancılı, E. (2002) Measurement of Attitudes and Data Analysis with SPSS. Nobel Publication No:399, Ankara. 8. Özdamar K. (2004). Statistical data analysis with package programs (Multivariate analysis)					

WEEKLY LESSON TOPICS

WEEKS	TOPICS TO BE DISCUSSED
1st Week	Scientific Method, Data and Characteristics of Data
2nd Week	Measurement Process and Scales
3rd Week	Investigation of Causal Relationships
4th Week	Mistakes Made in Research
5th Week	Planning, Stages and Types of Research
6th Week	Use of Research Methods in Epidemiology
7th Week	**MIDTERM EXAM**
8th Week	Instantiation
9th Week	Survey Method
Week 10	Experiment Planning, Observation Method, Blinding
Week 11	Preparing Data for Analysis
Week 12	Report Writing Method
13th Week	Footnotes and References
Week 14	General Discussion
Week 15	**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/Oral Presentation Conducting/Focus Group Interview/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**		
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 Semester Studies		%50
Final Work		
Finale	1	%50
Homework		
Application		
Laboratory		
Total of 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 Success Grade		100

ASSOCIATING THE LEARNING OUTCOMES OF THE COURSE WITH THE PROGRAM COMPETENCIES

Program Qualifications		Learning Outcomes			
		ÖÇ1	ÖÇ2	ÖÇ3	ÖÇ4
1.	Up-to-date and advanced knowledge, methods and practices in the field based on previous achievements at the level of expertise with original thought and/or research develops, deepens and reaches original definitions and practices that will bring innovation to the field.	**4**	**4**	**4**	**4**
2.	Develops new thoughts and methods related to the field by using high-level mental processes such as creative and critical thinking, problem solving and decision making.	**3**	**2**	**2**	**2**
3.	Comprehend the interdisciplinary interaction related to the field; knowledge and research methods that require expertise in analyzing, synthesizing and evaluating new and complex ideas. achieves original results by using it.	**5**	**4**	**4**	**3**
4.	Have knowledge about statistical methods that are constantly used in studies in the field of health. True selects, applies and interprets statistical methods correctly.	**4**	**4**	**4**	**3**
5.	At the level required by the field of health, other technological tools, including computers, and devices and devices specific to the field are advanced. It makes the necessary examination by using it at the level, develops creative solutions to problems.	**3**	**2**	**2**	**3**
6.	By publishing at least one scientific article in national and/or international peer-reviewed journals, expands the boundaries of knowledge.	**4**	**3**	**3**	**5**
7.	Examines and evaluates a scientific article/research from a critical point of view.	**4**	**3**	**3**	**4**
8.	Field with related and Disciplines Break Problems Be resolved Require Environments location Gets and leads when necessary.	**3**	**2**	**2**	**2**
9.	Defends original views in the discussion of issues in the field with experts and Establishes an effective communication that shows.	**3**	**2**	**2**	**2**
10.	Scientific, technological, social or cultural in the field of health By introducing progress, it contributes to the process of becoming and maintaining the information society of the society in which it lives.	**2**			
11.	It contributes to the solution of social, scientific, cultural and ethical problems encountered in the field of health and supports the development of these values.				
12.	Up-to-date developments and information about the field of health; In line with the realities of children, family, national values and the country uses it for the benefit of society.				
13.	Knows the importance of ethical principles and ethical rules for the individual and society. Acts in accordance with scientific accuracy and ethical principles.	**3**	**3**	**3**	**4**

14.	Social relationships and the norms that guide these relationships examines and develops from a critical point of view and manages actions to change when necessary.				

15.	Communicate and discuss written, oral and visual communication using a foreign language at an advanced level.	**2**	**2**	**2**	**4**

Proficiency Level: 1: Low, 2: Low/ Medium, 3: Medium, **4**: High**,** 5: **Excellent**