Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
RESEARCH METHODS IN HEALTH SCIENCES	BİS 552	1./2.st Semester	3	0	0	5

Prerequisites	-
Course Language	Turkish
Course Type	Compulsory
Teaching Methods	Lecture, Question & Answer, Demonstration, Practice
Instructor(s)	
Course Objective	To give basic information about the stages of planning and research, and to prepare students for research
Course Learning Outcomes	1. to be able to define research methods, 2. to be able to express stages of research, 3. to be able to express basic information about the research planning, 4. to be able to write a research report.
References	1. Sümbüloğlu Vildan ve Sümbüloğlu Kadir**. Sağlık Bilimlerinde Araştırma Yöntemleri**. 6. bs., Ankara, Hatiboğlu Yayınevi, 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. **Sağlıkta Araştırma Teknikleri ve Analiz Yöntemleri**. İzmir, Dokuz Eylül Üniversitesi Rektörlük Matbaası. 2001. 5. Ed:İnci E., Aksayan S., Bahar Z., Bayık A., Emiroğlu O., Erefe İ., Görak G., Karataş N., Kocaman G., Kubilay G., Seviğ Ü. **Hemşirelikte Araştırma İlke ve Süreç Yöntemler**. İstanbul, 2002 6. Erdoğan İ. (2003). **Pozitivist Metodoloji. Bilimsel Araştırma Tasarımı İstatisksel Yöntemler Analiz ve Yorum**. Erk yay. 1. Baskı Ankara. 7. Tavşancılı E. (2002) **Tutumların Ölçülmesi ve SPSS ile Veri Analizi**. Nobel Yayın No:399, Ankara. 8. Özdamar K. (2004). **Paket programlar ile istatistiksel veri analizi** (Çok değişkenli analizler)

WEEKLY COURSE TOPICS

Weeks	Topics
1	The Scientific Method, Data and Data Features
2	Measurement Process and Scales
3	Examination of Causal Relationships
4	Errors in Researches
5	Research Planning, Stages and Types
6	Research Methods in Epidemiology
7	**Mid-term examination**
8	Sampling
9	Survey Method
10	Experimental Design, Observation Method, Blinding
11	Preparing Data for Analysis
12	Report Writing Methods
13	Footnotes and Reference Presentation
14	Discussion
15	**Final exam**

ECTS / WORK LOAD TABLE

Activities	**Number**	**Duration**	**Total Work Load**
Course	14	3	42
Laboratory			
Practice			
Field Study			
Outclass course work hours (Self working / Teamwork / Preliminary work)	14	4	56
Presentations (Video preparation / Poster preparation / Oral presentation / Focus group discussion / Applying questionnaire/ Observation and report writing)			
Seminars			
Project			
Case study			
Role playing, dramatization			
Preparing and criticizing article			
Semester midterm exams	2	10	20
Semester final exams	1	7	7
Total Work Load (hour) / 25(s)	125/25=5		
ECTS	**5**		

EVALUATION SYSTEM

Midterm Studies	**Number**	**Contribution**
Midterm exam	1	%25
Quiz		
Laboratory		
Practice		
Field Study		
Specific practical training (If exists)		
Homework assignment	1	%25
Presentation and seminar		
Projects		
Other evaluation methods		
Total of Midterm Studies		%50
Final Studies		
Final	1	%50
Homework assignment		
Practice		
Laboratory		
Total of Final Studies		%50
Contribution of midterm studies to course grade		%50
Contribution of final studies to course grade		%50
Total Grade		100

RELATIONSHIPS BETWEEN COURSE LEARNING OUTCOMES AND PROGRAM QUALIFICATIONS

Program Qualifications		Learning Outcomes			
		LO1	**LO2**	**LO3**	**LO4**
1.	Based on undergraduate level qualifications, it has up-to-date knowledge in the field of Biological and Biomedical Sciences and develops and deepens them.	**2**	**2**	**2**	**2**
2.	Have knowledge about information technologies, technical equipment and the devices and instruments that are specific to the field in the field of Biomedical Sciences.				
3.	To integrate the information in the field of Biological and Biomedical Sciences with information from different disciplines and to create new information, interpret and analyze by using different research methods and propose solutions.	**3**	**3**	**3**	**3**
4.	He writes the report of his research.	**3**	**3**	**3**	**3**
5.	Can plan and apply an experimental research	**5**	**5**	**5**	**5**
6.	In the field of Biological and Biomedical Sciences, can offers solutions, solves the problems, evaluates the results obtained and applies when necessary.	**2**	**2**	**2**	**2**
7.	Makes scientific clinical and / or descriptive research / presentation / publication on priority topics related to Biological and Biomedical Sciences and public health.	**1**	**1**	**1**	**1**
8.	Evaluates the knowledge related to Biological and Biomedical Sciences with a critical approach.	**3**	**3**	**3**	**3**
9.	Applies the principles of professional development and lifelong learning in the field of Biological and Biomedical Sciences.				
10.	Students will be able to discuss and share their knowledge in the field of Biological and Biomedical Sciences in their written, oral and visual form in a systematic manner with current and other groups.	**3**	**3**	**3**	**3**
11.	Examines the social relations in the professional environment and the norms that direct these relations from a critical point of view and makes necessary to develop them.				
12.	Observes and teaches the social, scientific and ethical values in the stages of data collection, recording, interpretation and announcement in the field of Biological and Biomedical Sciences.	**2**	**2**	**2**	**2**
13.	Evaluates the current developments in the field of Biological and Biomedical Sciences in line with national values and realities of the country, including children and families, which are the basic unit of society.				
14.	Knows the importance of ethical principles and rules for the individual and society, behaves ethically.	**2**	**2**	**2**	**2**
15.	Develops strategy, policy and implementation plans in the field of Biological and Biomedical Sciences and evaluates the obtained results within the framework of quality processes.				

Contribution to the level of proficiency: 1: Low **2:** Low/Moderate **3:** Moderate **4:** High **5:** Excellent