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)	Prof. Vildan Sümbüloğlu
Course Objective	The aim of this course is; at the end of the course, the student will gain basic information about the planning of the research and other steps.
Course Learning Outcomes	Students who take this course; 1. Will be able to define research methods. 2. Describe the stages of the research. 3. Express basic information about research planning. 4. 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.	**Midterm Exam**
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**			
		L.O.1	**L.O.2**	**L.O.3**	**L.O.4**
1.	To be able to develop knowledge on the level of expertise.				
2.	To be able to use theoretical and practical information at the level of expertise.				
3.	To be able to create new information by integrating information came from another discipline.				
4.	To be able to solve problems that requires expertise by using scientific research methods.	4	4	4	
5.	At the unforeseen complex situations encountered in applications, to be able to develop new strategic approach and to be able to produce a solution by taking responsibility.			4	
6.	To be able to transfer current developments and their works to in the field and outside groups as written, verbal and visual in a systematic way.				4
7.	To be able to use advanced information and communication technologies with the required level of computer software in the field of expertise, and to be able to translate from English into Turkish.				
8.	To be able to develop strategy, policy and implementation plans about the field of expertise and to be able to evaluate the results obtained within the framework of quality processes.	4	4		
9.	To be able to share social, scientific and ethical values by considering them at the stages of data collection, interpretation and announcement in the field of expertise.				4
Contribution to the level of proficiency: 1. Lowest, **2.** Low / Medium, **3.** Average, **4.** High, **5.** Excellent					