Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Research Methods in Health Sciences	**BIS602**	**2**	**3**	**0**	**0**	**5**

Prerequisites	-
Course Language	Turkish
Course Type	Compulsory
Teaching Methods	Lecture, Question & Answer, Practice
Instructor(s)	
Course Objective	To give basic information about the planning and stages of a research and to prepare students for research
Course Learning Outcomes	At the end of this course, the students are; 1. able to define research methods, 2. able to express stages of research, 3. able to express basic information about the research planning, 4. 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	DISCUSSION TOPICS TO BE PROCESSED
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**		
ECTS	**5**		

EVALUATION SYSTEM

Midterm Studies	Number	Contribution
Midterm exam	1	%50
Quiz		
Laboratory		
Practice		
Field Study		
Specific practical training (If exists)		
Homework assignment		
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.	Accesses, interprets, and applies advanced and original knowledge in the field of physiotherapy and rehabilitation.	1	1	1	1
2.	Conducts original research plans that contribute to the field using scientific methods.	4	4	4	4
3.	With a commitment to lifelong learning, follows current developments and technologies in the field, develops existing methods and techniques, and designs and implements new applications.	3	3	3	3
4.	Adopts and implements an evidence-based approach in clinical decision-making processes. Acts in accordance with ethical principles in research and practice.	4	4	4	4
5.	Establishes effective collaboration in interdisciplinary projects, plans, manages, and executes scientific projects. Effectively shares scientific knowledge on national and international platforms.	4	4	4	4
6.	Performs advanced clinical and laboratory practices in various specialties. Contributes to undergraduate and graduate educational activities and mentors students.				
7.	Contributes to the development of health policies that improve rehabilitation services and public health.				
8.	Is knowledgeable about statistical methods frequently used in health studies. Selects, applies, and interprets appropriate statistical methods.	3	3	3	3
9.	Contributes to expanding the boundaries of knowledge in the field by publishing at least one scientific article in national and/or international peer-reviewed journals.	4	4	4	4

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