Course Syllabus

Code - Course Title	**BDY338 - Research Methods in Health Sciences**
Course Type	VI. SEMESTER
Laboratory + Practice	2+0
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	ÖĞR. GÖR. DR. EMRE ÇÖMLEKÇİ

Mode of Delivery	This course is conducted as face-to-face education only.
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	Statistics
Recommended Resources	None.
Work Placement	This is not suitable for this course.
Aims of the Course	Scientific method in academic research, introduction to research. Definition of the research problem, research design, survey design, sampling methods, data collection methods. Proper referencing.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic Concepts Related to Scientific Research Process.	
Week - 2		Research Planning and Basic Concepts.	
Week - 3		Research Design and Models.	
Week - 4		Data Types and Literature Review in Scientific Research	
Week - 5		Qualitative Research.	
Week - 6		Qualitative Data Collection Methods	
Week - 7		Quantitative Research and Survey Design.	
Week - 8		Sampling Methods.	
Week - 9		Measurement and Scale Types.	
Week - 10		Reliability and Validity in Scientific Research.	
Week - 11		Preparation of Data for Analysis	
Week - 12		Referencing and Research Report Writing	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Sample project review and writing.	
Week - 14		Sample article review and writing.	

Learning Outcomes

#	Learning Outcome
1	Will be able to recognize the functions and basic qualities of science and scientific method.
2	Will be able to explain the basic features of scientific research.
3	Will be able to recognize the characteristics of the elements in the introduction of scientific research.
4	Will be able to recognize the properties of the elements in the method section in scientific research.
5	Will be able to explain the properties of data and measurement elements in scientific research.
6	Will be able to recognize data collection techniques in scientific research.
7	Will be able to explain how to present findings, summary, judgment and recommendations in scientific research.
8	Will be able to see the relationship between scientific research and ethics.

Sustainable Development Goals

✓ Quality Education

Course Theme

✓ Educational Sciences and Educational Technologies ✓ Health Sciences and Medical Technologies

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	2.00	12	24
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	1.00	14	14
Ödevler	0.00	0	0
Proje - Rapor - Sunum Hazırlama	1.00	14	14
Ara Sınav Hazırlığı (sınav süresi dahil)	1.00	14	14
Final Sınavı Hazırlığı (sınav süresi dahil)	1.00	14	14
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**3.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test ✓ Multiple Choice Test