

**BDB409 - Research Methods In Healthsciences**

Course Name	Code	Term	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	ECTS
Research Methods In Health Sciences	BDB409	7. Semest/Autumn	2	0	0	2
Prerequisites	None					
Language of Instruction	Turkish					
Course Type	Compulsory					
Learning and Teaching Techniques of The Course	Expression, Question-answer, Discussion					
Instructor(s)						
Goal	To give students basic information about research planning and stages and to prepare them for research					
Learning Outcomes	1. Defines research methods 2. Expresses the stages of the research 3. Express basic information about research planning 4. Writes 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.I. 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 İstatistiksel 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)					

**Course Outline Weekly**

WEEKS	TOPICS
1. Week	Scientific Method, Data and Properties of Data
2. Week	Measurement Process and Scales
3. Week	Investigation of Causal Relations
4. Week	Errors Made in Research
5. Week	Research Planning, Stages and Types
6. Week	Use of Research Methods in Epidemiology
7. Week	Sampling
8. Week	<b>MIDTERM EXAM</b>
9. Week	Survey Method
10. Week	Experiment Planning, Observation Method, Blindness
11. Week	Preparing the Data for Analysis
12. Week	Report Writing Method
13. Week	Footnote and Resource Display
14. Week	General Discussion
15. Week	An overview

**Student Work Load Table**

Activities	Number	Duration	Total Work Load
Course Duration	14	2	28
Laboratory			
Practice			
Field Study			
Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)	14	1	14
Presentations (Video shoot/Poster preparation/Oral presentation, Etc.)			
Seminars			
Project			
Case study			
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	1	3	3
Final Exam Preparation Time	1	5	5
<b>Total Work Load ( hour) / 25(s)</b>	50 / 25=2		
<b>ECTS</b>	<b>2</b>		

**Evaluation System**

Mid-Term Studies	Number	Contribution
Midterm exams	1	50%
Quiz		
Laboratory		
Practice		
Field Study		
Course Internship (If There Is)		
Homework's	1	50%
Presentation and Seminar		
Project		
Other evaluation methods		
Total Time To Activities For Midterm		100
Final works		
Final	1	100%
Homework		
Practice		
Laboratory		
Total Time To Activities For Midterm		100
Contribution Of Midterm Studies On Grades		40%
Contribution Of Final Exam On Grades		60%
<b>Total</b>		100

**The relationship between learning outcomes and the program qualifications of the courses**

Program Qualifications	Learning outcomes			
	L.O.1	L.O. 2	L.O.3	L.O.4
1.Enables the students to use theoretical knowledge based on basic and social sciences in practice.	3			
2.Has the ability to use equipments and information Technologies required for the professional practice efficiently.		4	3	
3.Knows his rights, duties and responsibilities towards the society, colleagues, and other professions, individuals and patients, and learns how to behave in harmony with the professional ethical rules.	3			
4.When confronted with problems within any field of Nutrition and Dietetics, has the ability to observe, diagnose, assess, report and come up with solutions thanks to their up-to-date knowledge and skills.				5
5.Gains efficient working skills based on the principles of effective communication, responsibility, solution-oriented working in diciplinary and interdisciplinary conditions.		3		
6.Has the ability to make a plan for a research individually or as part of a team, make experiments, collectand analyze the data, interpret and write a report by using theoretical / practical knowledge and skills gained in the field of Nutrition and Dietetics.			4	4
7.Develops suggestions for healty/sick individuals and those at risk considering their lifelong diet.				3
8.Gains knowledge to contribute to the diet plans and politics to be developed based on the needs of the individuals and the society.				3
9.Improves themselves by following the latest advances in their profession nationally and internationally, and acquires awareness in lifelong learning.			4	4

**Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent**