



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research Methods							
Course Code		HSH533		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	55 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The main goal of the course ist to improve the understanding of scientific research and to criticise research articles and write simple research propoza							
Course Content		Scientific research and scientific research process, Data collection and analysis processes, The concept and basic principles of publication ethics							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study					
Name of Lecturer(s)		Prof. Filiz ABACIGİL, Prof. Filiz ADANA							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Creswell, J. W. (2014). Nitel, Nicel Araştırma Deseni ve Karma Yöntem Yaklaşımları (Çev. Ed. S. B. Demir), Eğiten Kitap, Ankara
2	Creswell, J. W. (2009). Research Design: Quantitative, Qualitative, and Mixed Methods Approaches, 3rd Edition, Thousand Oaks, CA: Sage
3	Day, R.A. (1996). Bilimsel Bir Makale Nasıl Yazılır ve Yayınlanır? (Çev.: G. A. Altay). TÜBİTAK, Ankara.
4	Karasar, N. (2004). Araştırmalarda Rapor Hazırlama, 12. Baskı, Nobel Yayın Dağıtım, Ankara
5	Karasar, N. (2005). Bilimsel Araştırma Yöntemi: Kavramlar, İlkeler, Teknikler, 15. Baskı, Nobel Yayın Dağıtım, Ankara
6	Lawrence, N. (2010). Toplumsal Araştırma Yöntemleri, Nitel ve Nicel Yaklaşımlar (Çev.: S. Özge), Yayın Odası, İstanbul
7	Seyitoğlu, H. (2003). Bilimsel Araştırma ve Yazma, Gizem Yayınları, İstanbul.

Week	Weekly Detailed Course Contents	
1	Theoretical	Scientific research and scientific research process
2	Theoretical	Scientific research methods (Qualitative Research)
3	Theoretical	Scientific research methods (Quantitative Research)
4	Theoretical	Measurement instruments used in scientific research
5	Theoretical	Data collection and analysis processes
6	Theoretical	Validity and reliability concepts
7	Theoretical	Identification of research problem and hypothesis
8	Intermediate Exam	EXAM
9	Theoretical	Data Collection Tools
10	Theoretical	Methods used in the analysis of data
11	Theoretical	Ethics in scientific research
12	Theoretical	Ethics in scientific research
13	Theoretical	Scientific article writing techniques
14	Theoretical	Scientific article writing techniques
15	Theoretical	Scientific article writing techniques
16	Final Exam	FINAL

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Midterm Examination	1	10	1	11



Final Examination	1	15	1	16
Total Workload (Hours)				55
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To understand the scientific research techniques
2	To understand and to analyze the ethical aspects of certain situations related to science and technology
3	To comprehend ethical theories, scientific research and publication ethics and all aspects of the concept of professional ethics
4	To design and conduct a scientific research in accordance with ethical rules
5	To design and conduct a scientific research in accordance with ethical rules

Programme Outcomes (Public Health Nursing Master)

1	PO 1. Student has the current theoretical and practice knowledge in Master's degree in Public Health Nursing field based on his previous learning in bachelor's degree, student realizes the knowledge, deepens and uses it.
2	PO 2. Student brings solutions to the issues which require expertise and is related to the Public Health Nursing. Student solves the problem, he/she evaluates the results obtained and applies as needed
3	PO 3. To be able to create new information by integrating different disciplinary in Public Health Nursing field
4	PO 4. Student shares and discusses his/her knowledge, current developments and his/her own researches systematically with groups from or outside of his/her field in written, verbal, or visual way
5	PO 5. Student follows based on evidence practices and makes researches creating evidence about professional application in his/her own field
6	PO 6. Student manages researches about his/her field independently or in a team
7	PO 7. Student has information on statistics, uses related soft wares efficiently, chooses correct statistical methods while making researches, has the skills to calculate and comment.
8	PO 8. Student can write report of the researches he/she made or participated and publishes it in an internationally accepted refereed journal or presents it in academic meetings
9	PO 9. Student can make strategy and policy in topics related to Public Health Nursing, comments practice plans, and evaluates obtained results in scientific and ethical frame
10	PO 10. Student makes verbal and writing communication using one foreign language at least B2 level in European language portfolio
11	PO 11. To be able to comprehend the importance of ethical principles and ethical rules for the individual and society and behave ethic

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	4	4	4	4	4
P2	4	4	4	4	4
P3	4	4	4	4	4
P4	4	4	4	4	4
P5	4	4	4	4	4
P6	4	4	4	4	4
P7	4	4	4	4	4
P8	4	4	4	4	4
P11	4	4	4	4	4

