



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research Methods							
Course Code		HES531		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	48 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		This course aims to improve the competence of understanding the science and scientific research methods and techniques, evaluating the researches and presenting research projects.							
Course Content		Scientific research methods, Data collection processes and analysis methods, Publication ethics and basic principles							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study, Individual Study					
Name of Lecturer(s)									

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 processes
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 processes and analysis methods
6	Theoretical	Concepts of validity and reliability
7	Theoretical	Research problem and determination of hypotheses
8	Intermediate Exam	Midterm Exam
9	Theoretical	Data Collection Tools
10	Theoretical	Methods used in data analysis
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	16	1	2	48
Total Workload (Hours)				48
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

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

Programme Outcomes (Fundamentals of Nursing Master)

1	to be able to comprehend the philosophy of nursing.
2	to be able to analyze the relationship between the basic concepts of nursing
3	to be able to compose internalization of Professional values of nursing
4	to be able to apply developed Professional nursing consciousness to project nursing care
5	to be able to use the nursing process in nursing care
6	to be able to do research that will contribute to the Fundamentals of Nursing
7	to be able to follow scientific developments are specific to the Fundamentals of Nursing
8	to be able to analyze that accessed information are specific to the Fundamentals of Nursing
9	to be able to apply evidence-based nursing care to Project nursing care
10	to be able to comprehend the basic philosophy of teaching Fundamentals of Nursing
11	to be able to use appropriate teaching principles and methods of teaching Fundamentals of Nursing
12	to be able to employ effective use appropriate assessment methods of teaching Fundamentals of Nursing

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

