



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research Techniques							
Course Code		HEK532		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To gain knowledge and skills needed to make scientific research							
Course Content		Achieving the knowledge and skills required to conduct scientific research. In this direction, the structure of scientific research, scientific methods and different opinions about these methods, problem, research model, universe and sampling, gathering of data and data collection methods are recorded, analyzed, interpreted and reported.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Project Based Study					
Name of Lecturer(s)		Lec. Selcen ÖNCÜ							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Scientific Research Methods
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Week	Weekly Detailed Course Contents	
1	Theoretical	Scientific method and historical development
2	Theoretical	Scientific research methods
3	Theoretical	Types of research
4	Theoretical	Identifying the problem
5	Theoretical	Sampling Methods
6	Theoretical	Data Collection Tools
7	Theoretical	Reliability and validity
8	Theoretical	Midterm exam
9	Theoretical	Quantitative Research
10	Theoretical	Experimental patterns
11	Theoretical	Scanning studies
12	Theoretical	Causal comparison studies
13	Theoretical	Qualitative research
14	Theoretical	Observation, interview, content analysis
15	Theoretical	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	1	2	39
Midterm Examination	1	3	1	4
Board Examination	1	6	1	7
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Understand and apply scientific research methods and techniques
2	Ability to design and apply scientific research
3	To know the steps of scientific research



4	To be able to search source
5	To know scientific research methods

**Programme Outcomes** (*Hospital Infection Control Interdisciplinary Master*)

1	Being knowledgeable in the field of hospital infection control and related scientific fields
2	To be able to use knowledge learned in hospital infection control research area and related science fields
3	Being knowledgeable about the methods and applications used in the field of hospital infection control
4	To be aware of the legal practices and details of hospital infection control
5	To be able to develop different strategies for hospital infection control
6	Designing and implementing trainings to inform the health personnel and the public in the field of hospital infection control and evaluating the results
7	To follow current researches in the field of hospital infection control and make critical evaluations
8	To be able to do team work in the field of hospital infection control, to work together with different disciplines to develop common strategies
9	To contribute to the solution of social, scientific, cultural and ethical problems in the field of hospital infection control and to support the development of these values
10	Being able to develop research and learning awareness throughout life and to keep information up-to-date

**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	3	3	3	3
P2	3	3	3	3	3
P3	3	3	3	3	3
P4	3	3	3	3	3
P5	3	3	3	3	3
P6	3	3	3	3	3
P7	3	3	3	3	3
P8	3	3	3	3	3
P9	3	3	3	3	3
P10	3	3	3	3	3

