



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Scientific Research Methods								
Course Code	MİK665	Course Level			Third Cycle (Doctorate Degree)				
ECTS Credit	2	Workload	52 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To reveal detailed scientific approaches about scientific research methods and to train qualified researcher candidates.								
Course Content	Scientific method in academic research, introduction to research. Definition of research problem, research design, questionnaire design, sampling methods, data collection methods. To give a correct reference. Examples of research on domestic and foreign libraries.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)	Prof. Uğur PARIN								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Research Methods For Science
2	Scientific Methods

Week Weekly Detailed Course Contents & Teaching Methods

1	Theoretical	Introduction to Scientific Research Methods
2	Theoretical	Research process
3	Theoretical	Scientific Ethics
4	Theoretical	Benefiting from resources
5	Theoretical	Methods of citing
6	Theoretical	Methods of manuscript search: Internet
7	Theoretical	Methods of manuscript search: E-Library
8	Theoretical	Methods of manuscript search: ANKOS
9	Theoretical	Article Writing and Computer Technologies: Word Processors I
10	Theoretical	Article Writing and Computer Technologies: Word Processors II
11	Theoretical	Article Writing and Computer Technologies: Table preparation
12	Theoretical	Article Writing and Computer Technologies: Graphics and Figures
13	Theoretical	Scientific Research Presentation Techniques
14	Theoretical	Student presentations

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0.5	1	21
Assignment	1	5	1	6
Reading	1	5	1	6
Individual Work	1	6	1	7
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
Total Workload (Hours)				52
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	To gain basic knowledge of scientific approaches in design research.
2	2. To have information about the structure of scientific research
3	3. To have knowledge about quantitative and qualitative data collection techniques
4	4. To have information about writing a scientific research report
5	5. To have information about writing bibliography in scientific research

Programme Outcomes (Microbiology (Veterinary Medicine) Doctorate)

1	Department has the ability to identify and apply information about bacteriology, virology, mycology and has the ability to recognize diseases about veterinary medicine.
2	Department has the ability to take the advantage of technology and has the ability to diagnose, treat and prevent the diseases by using appropriate equipments.
3	Department has the ability to analyze the epidemiological compounds of an animal population and has the ability to get precautions.
4	Department has the ability to test or analyze the diseases and has the ability to evaluate the results.
5	Department has the ability to perform, produce and conclude projects for scientific researches.
6	Department has the ability to donate theoretical and practical knowledge about postgraduate students in the are of microbiology.
7	Graduate students has the ability to perform scientific researches.

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	5	4	5	4
P2	4	5	4	5	4
P3	5	4	5	4	4
P4	4	5	4	4	5
P5	5	4	4	5	4
P6	4	5	5	4	5
P7	5	4	4	5	4

