



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Planning, Implementation and Evaluation of Experimental Research							
Course Code		BYK527		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The basic purpose of this course is learning how to do experimental research.							
Course Content		Planning, implemenation and evaluation of experimental research in the field of medical biochemistry,entegration and analysis of information from different research fields, acquisition of skills in preparation oral presentations, posters.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Discussion, Case Study, Project Based Study, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Practice	1	60
Assignment	1	40

### Recommended or Required Reading

1	The Basic Pathology, Robbins and Cortran. (2008).
2	Ackerman Pathology, Rosai (2009), Surgical Pathology

Week	Weekly Detailed Course Contents	
1	Theoretical	What is the research?
2	Theoretical	Research planning
3	Theoretical	planning a research model
4	Theoretical	How can be evaluated results?
5	Theoretical	assesment of case study
6	Theoretical	publishing the research
7	Theoretical	publishing the research
8	Intermediate Exam	Quiz
9	Practice	publishing the research
10	Practice	publishing the research
11	Practice	publishing the research
12	Practice	publishing the research
14	Practice	publishing the research
15	Practice	publishing the research
16	Final Exam	Final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	8	1	3	32
Lecture - Practice	6	1	3	24
Assignment	1	2	17	19
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	To have knowledge about research planning
2	Learning the planning of a sample research



3	Learning to use literature
4	Evaluating the results of the planned research
5	To be able to publish research

**Programme Outcomes** (*Biochemistry (Medical) Master*)

1	To have basic theoretical knowledge about biochemistry and to help understanding biochemistry
2	To have the basic laboratory knowledge, apparatus and methods used in biochemistry
3	Analysis: To be able to analyze information critically
4	Synthesis: To be able to synthesize and adapt the knowledge in the field from different directions
5	Evaluation: To critically evaluate research in the field

**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	5	4	5	5	5
P2	5	5	5	4	5
P3	4	4	5	4	5
P4	4	4	5	5	4
P5	5	5	4	5	4

