



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Cell Death							
Course Code		THE508		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	6	Workload	153 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		It is aimed to teach cancer-related cell death types and their treatments in general.							
Course Content		Cell death types, apoptosis, autophagy, apoptosis and autophagy mechanisms, apoptosis and autophagy detection methods							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Discussion, 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	Cell Death. Douglas R. Green, Cold Spring Harbor Laboratory Press, 2018, 2nd Edition
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Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to Cell Death
2	Theoretical	Types of Cell Death
3	Theoretical	Intrinsic Apoptosis Pathway
4	Theoretical	Extrinsic Apoptosis Pathway
5	Theoretical	Necrosis
6	Theoretical	DNA Damage and Cell Death
7	Theoretical	Signaling Pathways That Lead to Cell Death
8	Intermediate Exam	Midterm exam
9	Theoretical	Apoptosis Analysis Methods
10	Theoretical	Cancer Treatments and Apoptosis
11	Theoretical	Autophagy Mechanisms
12	Theoretical	Autophagy Analysis Methods
13	Theoretical	Cancer Treatments and Autophagy
14	Theoretical	Other Types of Cell Death
15	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	1	2	39
Assignment	2	18	1	38
Midterm Examination	1	24	2	26
Final Examination	1	48	2	50
Total Workload (Hours)				153
[Total Workload (Hours) / 25*] = ECTS				6

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Learning the intrinsic and extrinsic pathways of apoptosis
2	Learning the apoptosis detection methods
3	Learning autophagy mechanisms
4	Learning other types of cell death



5	Examining the targeting of programmed cell death in cancer treatment
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**Programme Outcomes** (*Histology and Embryology (Medical) Master*)

1	To have detailed information about cell structure and function at microscopic level
2	To have theoretical and practical knowledge about experimental methods used in histology
3	To know the ethical rules for publishing and presenting a scientific study
4	To have sufficient knowledge about the laboratory methods used in fertilization and assisted reproduction
5	to have enough knowledge about the general characteristics of human embryology

**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	4	5	4
P2	5	4	5	4	5
P3	4	5	4	5	5
P4	5	4	3	4	5
P5	4	5	4	5	4

