



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Cell Culture Techniques							
Course Code		THE623		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	8	Workload	200 ( <i>Hours</i> )	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		ability to have information about cell culture techniques							
Course Content		2D and 3D cell culture techniques							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Problem Solving					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Histoloji Konu Anlatımı ve Atlas
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Week	Weekly Detailed Course Contents	
1	Theoretical	general knowledge about cell culture
2	Theoretical	sterile cell culture conditions
3	Theoretical	cell culture containers
4	Theoretical	mediums
5	Theoretical	basic techniques of cell culture
6	Theoretical	passaging
7	Theoretical	cell freezing
8	Intermediate Exam	mid-term exam
9	Theoretical	counting cells
10	Theoretical	MTT test
11	Theoretical	cell seeding
12	Theoretical	types of contamination
13	Theoretical	hemocytometer
14	Theoretical	3D cell culture
15	Theoretical	general overview
16	Final Exam	final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Lecture - Practice	15	2	2	60
Assignment	14	2	3	70
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	ability to have information about mediums
2	ability to have information about cell counting
3	ability to have information about 3D cell culture
4	ability to have information about contamination types



5	ability to have information about cell seeding
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**Programme Outcomes** (*Histology and Embryology Medical*) *Doctorate*

1	To have basic laboratory skills and attitudes
2	To be a scientist with strong educational background and presentation.
3	To have information about laboratory safety
4	To learn the histology and embryonic development of related organs and systems
5	To know the differences between related organs at the tissue level.

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

