



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Reproductive Biology and Assisted Reproduction Techniques							
Course Code		THE621		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 male and female reproductive systems and assisted reproductive techniques							
Course Content		development and structures of male and female reproductive systems, assisted reproductive 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 view of male reproductive system
2	Theoretical	spermatogenesis
3	Theoretical	normal-abnormal sperm morphologies
4	Theoretical	general view of female reproductive system
5	Theoretical	menstrual cycle
6	Theoretical	general features of follicle
7	Theoretical	fertilization
8	Intermediate Exam	mid-term exam
9	Theoretical	in vitro fertilization(IVF)
10	Theoretical	in vitro fertilization(IVF)
11	Theoretical	intracytoplasmic sperm injection(ICSI)
12	Theoretical	embryonic development
13	Theoretical	embryo selection cryteria and embryo transfer
14	Theoretical	micromanipulation techniques
15	Theoretical	cryopreservation methods
16	Final Exam	final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Lecture - Practice	14	2	2	56
Assignment	14	2	2	56
Laboratory	9	1	1	18
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 male reproductive system
2	ability to have information about female reproductive system
3	ability to have information about morphologies of sperms and oocytes



4	ability to have information about IVF and ICSI
5	ability to have information about cryopreservation methods

**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	5	4	4	5
P2	5	4	5	5	5
P3	4	3	4	4	4
P4	3	5	3	5	3
P5	4	5	4	4	2

