



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		The Placenta, Implantation and Molecular Basis of Embryonic Development							
Course Code		THE627		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	150 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		ability to have information about the placenta, implantation and molecular basis of embryonic development							
Course Content		describe the development of placenta and related structures from the formation of the embryo and / or fetus during the implantation phase.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Assoc. Prof. Erkan GÜMÜŞ							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Moore İnsan Embriyolojisi
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Week	Weekly Detailed Course Contents	
1	Theoretical	placenta
2	Theoretical	placental circulation
3	Theoretical	functions of placenta
4	Theoretical	implantation
5	Theoretical	amniotic cavity, embryonic disc and umbilical sac formation
6	Theoretical	development of chorionic sac
7	Theoretical	implantation zones of blastocysts
8	Intermediate Exam	mid-term exam
9	Theoretical	gap junctions
10	Theoretical	cell adhesion molecules
11	Theoretical	morphogens
12	Theoretical	protein kinases
13	Theoretical	transcription factors
14	Theoretical	epigenetic
15	Theoretical	general overview

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	4	84
Assignment	11	3	3	66
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	ability to have information about development of placenta
2	ability to have information about functions of placenta
3	ability to have information about implantation
4	ability to have information about intercellular interactions



5	ability to have information about morphogens
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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	5	4	3	4
P2	4	4	5	5	5
P3	5	3	4	5	4
P4	3	4	3	4	5
P5	5	5	5	5	4

