



**AYDIN ADNAN MENDERES UNIVERSITY**  
**GRADUATE SCHOOL OF HEALTH SCIENCES**  
**HISTOLOGY AND EMBRYOLOGY**  
**HISTOLOGY AND EMBRYOLOGY (MEDICAL)**  
**HISTOLOGY AND EMBRYOLOGY (MEDICAL) MASTER'S WITHOUT THESIS**  
**COURSE INFORMATION FORM**

Course Title	Implantation Biology								
Course Code	THE532	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	6	Workload	150 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Better understanding of embryological development								
Course Content	Describes the connection of the cells forming the tissues at the level of cell adhesion molecules.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Problem Solving								
Name of Lecturer(s)	Lec. Erkan GÜMÜŞ								

#### Assessment Methods and Criteria

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

#### Recommended or Required Reading

1	Langman Medikal Embriyoloji
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Week	Weekly Detailed Course Contents	
1	Theoretical	GAMETOGENESIS
2	Theoretical	MAYOS DIVISION
3	Theoretical	SPERMİYOGENESİS
4	Theoretical	OÖGENESİS
5	Theoretical	WOMEN'S REPRODUCTIVE CYCLE
6	Theoretical	OVARIAN CYCLUS
7	Theoretical	MENSTRUEL CYCLUS
8	Intermediate Exam	MID -TERM EXAM
9	Theoretical	TRANSPORT OF GAMETS
10	Theoretical	MATURATION OF SPERM
11	Theoretical	LIFE TIME OF GAMETS
12	Theoretical	FERTILIZATION
13	Theoretical	FERTILIZATION
14	Theoretical	DIVISION OF ZIGOT
15	Theoretical	BLASTOSIST FORMATION AND IMPLANTATION
16	Final Exam	FINAL EXAM

#### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	14	3	2	70
Project	3	4	4	24
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6

\*25 hour workload is accepted as 1 ECTS

#### Learning Outcomes

1	UNDERSTANDING GAMETOGENESIS
2	UNDERSTANDING CELL DIVISION
3	SPERM FORMATION



4	FORMATION Oocytes
5	ABILITY TO HAVE INFORMATION ABOUT IMPLANTATION

**Programme Outcomes** (*Histology and Embryology (Medical) Master's Without Thesis*)

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

