

# Dentistry -- COMMITTEE-5 / 4 weeks

COURSE TITLE	COURSE CODE	SEMESTER	THEORETICAL (hours / week)	PRACTICE (hours / week)	CREDIT	ECTS
<b>COMMITTEE-5 INTRODUCTION TO HUMAN STRUCTURE AND FUNCTION</b>	<b>DIS 122</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>4</b>
<b>COURSE LEVEL</b>	<input type="checkbox"/> Associate's <input checked="" type="checkbox"/> Bachelor's Degree <input type="checkbox"/> Master's Degree <input type="checkbox"/> PhD					
<b>INSTRUCTION LANGUAGE</b>	<input checked="" type="checkbox"/> TURKISH <input type="checkbox"/> FOREIGN LANGUAGE <input type="checkbox"/> English <input type="checkbox"/> French					
<b>COURSE TYPE</b>	<input checked="" type="checkbox"/> COMPULSORY <input type="checkbox"/> ELECTIVE <input type="checkbox"/> DEPARTMENTAL ELE <input type="checkbox"/> NON-DEPARTAMENTA					
<b>PREREQUISITE OF COURSE</b>	NONE					
<b>PURPOSE OF COURSE</b>	To understand the first steps of reproduction in understanding human structure and function.					
<b>COURSE OBJECTIVES</b>	To know the mechanism and morphology of the division of somatic and reproductive cells. To understand the stages of division, reproduction and maturation of female and male reproductive cells. To know the "Mendelian principles of inheritance" in the phenomenon of passing hereditary knowledge from mother and father to the next generation. To know the stages of fertilization. To know how the transfer of inheritance with autosomal and sex chromosomes. To know the placement of the embryo in the uterus (implantation). To know prenatal genetic diagnosis (prenatal diagnosis).					
<b>TEACHING METHOD</b>	FACE-TO-FACE					
<b>LEARNING, TEACHING METHODS OF THE COURSE</b>	<input type="checkbox"/> Question-and-Answer <input checked="" type="checkbox"/> Case Problem Solving/ Drama- Role/ Case Management <input checked="" type="checkbox"/> Laboratory <input type="checkbox"/> Quantitative Problem Solving <input type="checkbox"/> Fieldwork <input checked="" type="checkbox"/> Group Study / Assignment <input checked="" type="checkbox"/> Individual Assignment <input checked="" type="checkbox"/> Web-Based Learning <input type="checkbox"/> Internship <input type="checkbox"/> Practice in Field <input checked="" type="checkbox"/> Project Preparation <input type="checkbox"/> Report Writing <input type="checkbox"/> Seminar <input type="checkbox"/> Supervision <input type="checkbox"/> Social Activity <input type="checkbox"/> Occupational Activity <input type="checkbox"/> Occupational Trip <input type="checkbox"/> Application (Modelling, Design, Model, Simulation, Experiment et.) <input checked="" type="checkbox"/> Reading <input type="checkbox"/> Thesis Preparation <input type="checkbox"/> Field Study <input type="checkbox"/> Student Club and Council Activities					

**COURSE COORDINATOR  
(S)**

Lecturer Sercan Doğukan Yıldız (Anatomy)  
 Prof. Dr. H. Yegane Güven (Biochemistry)  
 Asst. Prof. Merve Beker (Medical Biology)  
 Prof. Dr. Tangül Müdok -- Asst. Prof. Türkan Sarıoğlu (Histology and Embryology)

**COMMITTEE-5**  
**Introduction to**  
**human structure**  
**and function**  
**Course Topics**

**4 weeks**

ANATOMY	BIOCHEMISTRY	MEDICAL BIOL.	HISTOLOGY-EMB.	PHYSIOLOGY	Biophysics
Thorax and abdomen veins and nerves	Carbohydrate Metabolism 1 and 2	Mendel Genetics- Family Tree Pedigree	Spermatogenesis		
Veins and nerves of the Pelvis	Protein Metabolism	Non-Mendelian Genetics	Fertilization		
Veins and nerves of the upper limb	Lipid Metabolism 1 and 2	Autosomal and Sex chromosome-related diseases	Implantation		
Veins and nerves of the lower limb	Porphyrin Compounds-Bile Pigments	Prenatal Diagnosis	Teratogens		

**LEARNING OUTCOMES**

**INFORMATION**  
 (Organized according to theoretical and / or factual information classification)

1. Students know the mechanism and morphology of the division of somatic and reproductive cells.
2. Students know oogenesis and spermatogenesis.
3. Students know the principles of heredity of Mendel.
4. Students know fertilization and implantation.
5. Students know autosomal and sex chromosomes and inheritance transfer.
6. Students know anatomical features of the thorax, abdomine, pelvic walls, and vascular nerves of the lower and upper limbs.

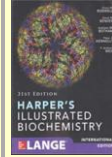
**SKILL**  
 (As cognitive and / or practice skills)

1. Student debate the principles of heredity.
2. Students give information about the first 3 weeks of reproductive biology.
3. Students transmit information about harmful substances and genetic diagnosis that are active in reproduction.
4. Students give information about anatomical features of body cavities and vascular nerves of limbs.

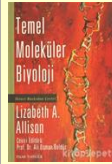
**COMPETENCY**

1. Students demonstrate responsibility and self-discipline.
2. Students are productive and questioning.
3. Students speak their mother tongue effectively, strive to speak a foreign language.
4. Students can work independently and take responsibility.

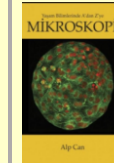
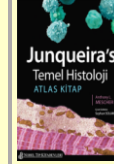
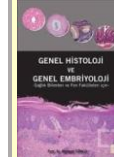
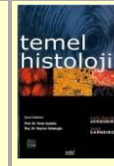
## ANATOMY

BIOCHEMİSTR  
Y

## MEDICAL BIOL.



## HISTOLOJY-EMB.



## PHYSIOLOGY

## Biophysics

RESOURCES USED

**EVALUATION SYSTEM**

YEAR / SEMESTER STUDIES	Number	CONTRIBUTIONS %
Attendance / Participation		%
Laboratory		%
Practice		%
Practice Exam		%
Quiz		%
Assignment		%
Presentation		%
Projects		%
Course-Specific Internship		%
Fieldwork		%
Article Critique		%
Article Writing		%
Module Group Study		%
Brainstorming		%
Role Playing + Dramatizing		%
Studying outside of the Classroom		%
Preparatory Work, Enhancement, Practice Repetition etc.		%
Homework (reading, writing, watching movies)		%
Project Preparation + Presentation		%
Report Preparation + Presentation		%
Presentation / Seminar Preparation +		%
Oral Exam		%
MIDTERM		40%
FINAL		60%
<b>TOTAL</b>		<b>%100</b>

**COURSE ECTS**

 European Credit Transfer System  
 - Student workload-

Activities	Number (week)	Duration (hour)	Total Work Load
Course Duration	4	8	32
Laboratory	4	2	8
Practice	0	0	0
Practice Exam	0	0	0
Course-Specific Internship	0	0	0
Fieldwork	0	0	0
Article Critique	0	0	0
Article Writing	0	0	0
Module Group Study	0	0	0
Brainstorming	0	0	0
Role Playing + Dramatizing	0	0	0
Studying outside of the Classroom Preparatory Work, Enhancement, Practice Repetition etc.)	4	8	32
Homework (reading, writing, watching movies etc.)	4	6	24
Project Preparation + Presentation	0	0	0
Report Preparation + Presentation	0	0	0
Presentation / Seminar Preparation + Presentatio	0	0	0
Oral Exam	0	0	0
Preparation For Midterms	7	2	14
MIDTERM	1	1	1
Preparation For Finals	14	2	28
FINAL	1	1	1
<b>Total ECTS</b>			<b>140</b>
30 hours = 1 ECTS			<b>ECTS</b>
			<b>4</b>