

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

HISTOLOGY & EMBRYOLOGY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
HISTOLOGY & EMBRYOLOGY	ISM2013843	Yearly	82+30	0	7
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Committee Course				
Course Coordinator	Assoc.Prof. Seda KARABULUT				
Name of Lecturer(s)	Assist.Prof. Bircan KOLBAŞI, Assoc.Prof. Seda KARABULUT				
Assistant(s)					
Aim	Students will be able to identify details of Integumentary System (skin, hair, nails, teeth).Students will be able to identify details of Development of Integumentary System.Students will be able to identify details of Cerebrum and Cerebellum.Students will be able to identify details of Development of Nervous System.Students will be able to identify details of Eyes.Students will be able to identify details of Ears.Students will be able to identify details of Development of Eyes and Ears.Students will be able to identify details of Circulatory System.Students will be able to identify details of Development of Circulatory System.Students will be able to identify details of Blood Cells.Students will be able to identify details of Haematopoiesis.Students will be able to identify details of Lymphoid System.Students will be able to identify details of Respiratory System.Students will be able to identify details of Development of Respiratory System.Students will be able to identify details of Digestive System.Students will be able to identify details of Salivary Glands.Students will be able to identify details of Pancreas-Liver-Gall bladder.Students will be able to identify details of Development of Digestive System.Students will be able to identify details of Endocrin System.Students will be able to identify details of Development of Endocrin System.Students will be able to identify details of Urinary System.Students will be able to identify details of Female Reproductive System.Students will be able to identify details of Male Reproductive System.Students will be able to identify details of Urogenital System Development.				
Course Content	This course contains; Integumentary System and Appendices,Development of Integumentary system and appendices,Cerebrum-cerebellum,Development of nervous system,Eye,Ear,Development of eye-ear,Circulatory System,Development of circulatory system,Blood cells,Hematopoiezis,Lymphoid system,Respiratory system,Development of respiratory system,Digestive system,Glands,Pancreas-Liver-Gall bladder,Development of digestive system,Endocrine system,Development of endocrine system,Urinary system,Female reproductive system,Male reproductive system,Development of urogenital system.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Explains the details of the skin and its appendages (skin, hair, nails, teeth).			17, 6, 9	A	
Explains the details of the development of skin and skin appendages.			17, 6, 9	A	
Explains the details of cerebrum-cerebellum.			17, 6, 9	A	
Explains the details of nervous system development.			17, 6, 9	A	
Explains the details of the eye.			17, 6, 9	A	
Explains the details of the ear.			17, 6, 9	A	
Explains the details of eye-ear development.			17, 6, 9	A	
Explains the details of the circulatory system.			17, 6, 9	A	
Explains the details of blood cells.			17, 6, 9	A	
Explains the details of hematopoiesis.			17, 6, 9	A	
Explains the details of the lymphoid system.			17, 6, 9	A	
Explains the details of the respiratory system.			17, 6, 9	A	
Explains the details of the digestive system (mouth, tongue, lips, esophagus, stomach, intestine).			17, 6, 9	A	
Explains the details of the salivary glands.			17, 6, 9	A	
Explains the details of the pancreas-liver-gallbladder.			17, 6, 9	A	
Explains the details of digestive system development.			17, 6, 9	A	
Explains the details of the endocrine system.			17, 6, 9	A	
Explains the details of the urinary system.			17, 6, 9	A	
Explains the details of the female reproductive system.			17, 6, 9	A	
Explains the details of the male reproductive system.			17, 6, 9	A	
Explains the details of the development of the urogenital system.			17, 6, 9	A	
Teaching Methods	17: Experimental Technique, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Integumentary System and Appendices				
2	Development of Integumentary system and appendices				
3	Cerebrum-cerebellum				
4	Development of nervous system				
5	Eye				
6	Ear				
7	Development of eye-ear				
8	Circulatory System				
9	Development of circulatory system				
10	Blood cells				
11	Hematopoiezis				
12	Lymphoid system				

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Lecture Schedule		
Sequence	Topics	Preliminary Preparation
13	Respiratory system	
14	Development of respiratory system	
15	Digestive system	
16	Glands	
17	Pancreas-Liver-Gall bladder.	
18	Development of digestive system	
19	Endocrine system	
20	Development of endocrine system	
21	Urinary system	
22	Female reproductive system	
23	Male reproductive system	
24	Development of urogenital system	
Evaluation Methods		Weight(%)
Midterm Exam		40
General Exam		60

Resources
1. Junqueira's Basic Histology: Text and Atlas McGraw Hill Medical Books 2. Larsen - Human Embryology 3. BRS Embryology, 4. Keith L. Moore (ed.), T. V. N. Persaud (ed.), Mark G. Torchia (ed.)-Before We Are Born_ Essentials of Embryology and Birth Defects-Elsevier