

Course Title	<b>Histology - Embryology II</b>				
Course Code	MD205				
Course Type	Compulsory				
Level	1 <sup>st</sup> Cycle (MD)				
Year / Semester	2 <sup>nd</sup> Year / 3 <sup>rd</sup> Semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 Hrs / 14 weeks	Laboratories / week	3 Hrs / 14 weeks
Course Purpose and Objectives	This course is aiming to acquaint Medical students to a broad and concrete overview of Histology, i.e. microstructure and Embryology, i.e. evolution of organs and systems with respect to human tissue organization and differentiation in embryological/fetal development. It will familiarize them to the histological microstructure in combination with the structure and function of the human body major organs and systems as: the Respiratory, the Cardiovascular, the Gastrointestinal, the Renal and Urinary System, the Female and the Male Reproductive systems.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Demonstrate understanding of the normal microstructure and evolution of the human body with emphasis on the major organs located into the thorax, abdomen and pelvis</li> <li>• Demonstrate effective use of histological and embryological terminology</li> <li>• Understand the microstructural organization of the human body and the above described organs and systems.</li> </ul>				
	<p><b>Laboratory skills</b></p> <ul style="list-style-type: none"> <li>• Use the optical and electron microscope (Transmission and Scanning Microscope) to identify the different tissue types consisting the Respiratory, the Cardiovascular, the Gastrointestinal, the Renal and Urinary System, the Female and the Male Reproductive systems.</li> </ul>				
Prerequisites	None	Co-requisites	None		
Course Content	<ul style="list-style-type: none"> <li>• Morphological organization and development of the Respiratory system and its disorders.</li> </ul> <p>Morphological organization and development of the Cardiovascular System and its disorders.</p>				

	<p>Laboratory exercises:</p> <ul style="list-style-type: none"> <li>• Observations of tissues and organs from the Respiratory, the Cardiovascular, the Gastrointestinal, the Renal and Urinary System, the Female and the Male Reproductive systems described into this Structure and Function (S&amp;F) Module by light and electron microscopical Computer Assisted Learning-CAL methods.</li> <li>• Observations of various types of adult and embryonic tissues, organs and systems from the above described Modules using light and electronic microscope photographs ,videos and Computer Assisting Learning-CAL.</li> </ul>						
Teaching Methodology	Face- to- face						
Bibliography	<p>Junqueira’s Basic Histology: Text &amp; Atlas; Antony L. Mesher, PhD, Mc Graw Hill Education LANGE, New York, Chicago,San Francisco, Lisbon, London, Madrid, Mexico City, Milan, New Delhi, San Juan, Seoul, Singapore, Sydney, Toronto. ISBN 978-1-259-07232-1,or, MHID 1-259-07232-0</p> <p>Netter’s Essential Histology; William Ovalle,Patrick C. Nahirney, Illustrations by Frank H. Netter; Elsevier Saunders Philadelphia, ISBN 978-1-4557-0631-0</p> <p>Before we are Born. Essentials of Embryology and Birth Defects. Keith L. Moore, T.V.N. Persaud, Mark G. Torcha. Philadelphia, Elsevier Saunders ISBN 978-1-4377-2001-3.</p> <p>Human Histology; Stevens, A. / Lowe, J.S.; 978-0323036634; Mosby; Color Atlas of Histology; Leslie G. Gartner; 978-1451107210; Lippincott Williams and Wilkins;</p> <p>Color Atlas of Cytology, Histology, and Microscopic Anatomy. Wolfgang Kuehnel, Thieme. Stuttgart-New York. ISBN 3-13-562404-8 (GTV), ISBN 1-58890-175-0 (TNY),</p> <p>Langman’s Medical Embryology.T. W. Sadler.Wolters Kluwer Health/Lippincott Williams &amp; Wilkinson,.Philadelphia, Baltimore, New York, London, Buenos Aires, Hong Kong, Sydney,Tokyo. ISBN 978-1-4511-4451-1.</p>						
Assessment	<table border="0"> <tr> <td>Examinations:</td> <td>70%</td> </tr> <tr> <td>Assignment/Lab</td> <td>20%</td> </tr> <tr> <td>Class Participation:</td> <td>10%</td> </tr> </table>	Examinations:	70%	Assignment/Lab	20%	Class Participation:	10%
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Language	English						