

**University:*alnahrain***

**College:*medicine***

**Department: *Histology &embryology***

**Stage:*Two***

**Lecturer name: *May F.M Al Habib***

**Academic Status: *Professor***

**Qualification: *Ph. D***

**Place of work:*Al Nahrain medical college***

**Republic of Iraq**

**The Ministry of Higher Education**

**& Scientific Research**

**Course Weekly Outline**

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| **Course Instructor** | **May Fadhil Majid AL Habib** | | | | |
| **E\_mail** | **Mayalhabib@colmed-alnarain.edu.iq** | | | | |
| **Title** | **Professor** | | | | |
| **Course Coordinator** | **May Fadhil Majid AL Habib** | | | | |
| **Course Objective** | 1. **To acquire knowledge about primary tissue and their constituent.** 2. **Establish a base to understand the histology of some body systems and organs and their relevance to their functions** | | | | |
| **Course Description** | **First semester** | | | | |
| **Textbook** | * **Junqueira LC & Carneiro J (2005): Basic Histology; Text & Atlas. 11th ed. McGraw-Hill Medical. New York.** | | | | |
| **References** | * **Leeson TS, Leeson CR & Paparo AA (1988): Text/Atlas of Histology. WB Saunders. USA.** | | | | |
| **Course Assessment** | **Mid-Term Tests** | **Laboratory** | **Quizzes** | **Project** | **Final Exam** |
| **(20%)** | **(10%)** | **(10%)** | **----** | **(60%)** |
| **General Notes** |  | | | | |

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| --- | --- | --- | --- | --- |
| **week** | **Date** | **Topics Covered** | **Lab. Experiment Assignments** | **Notes** |
| **1** | 21  September | What is histlogy. General informations about light micrscopy. The major 4 basic tissue, General features | Introduction, how to prepare a histological slid  Epithelial tissue, simple and compound. |  |
| **2** | 22  September | Characteristics of epithelial tissue, classification & function.  Membranes and cell adhesion & cell surface specialization. |
| **3** | 28  September | Epithelial Exocrine glands. | Epithelial exocrine gland  Simple connective tissue, types of cells |
| **4** | 29  September | Connective tissue: ground substance, fibers. Cells of connective tissue. |
| **5** |  | Eid Al Adha |  |
| **6** |  | Eid Al Adha |
| **7** | 12  October | Types of connective tissue; Dens, lose, Adipose tissue (unilocular & multilocular). | Loos and dense, adipose tissue, tendons, ligament. |
| **8** | 13  October | Blood: cells, formed elements., types of cells |
| **9** | 19  October | Hematopoiesis; stem cells maturation of erythrocytes, granyolocytes, lymphocytes & monocytes, origin of platelets. | Blood cells Haemopoietic tissue. Bone marrow examination |
| **10** | 20  October | Bone: cells, matrix, types of bones. |
| **11** | 26  October | Bone histogensis, ossification, growth & remodeling. | Bone. Types of bone, cells and arrangement.  Bone ossification Cartilage hyaline, elastic & fibrocartilage |
| **12** | 27  October | Cartilage; hyaline, elastic & fibrocartilage, histogensis of cartilage. |
| **13** | 2  November | Muscle tissue: structure, Cardiac muscle & smooth muscle. | Muscles, cardiac and smooth. |
| **14** | 3  November | skeletal muscle cells, myofibrils, myofiliments, |
| **15** | 9  November | contraction mechanism & innervation (neuromuscular junction | Nervous tissue Types of Nerve cells , sections in the nerve |
| **16** | 10  November | Nervous tissue: histogenesis, cells, fibers, myelination and synapses. |
| **17** | 16  November | Nerve fibers, nerves, ganglia | Practical midterm Exam |
| **18** | 17  November | **Theoretical Examination** |
| **19** | 23  November | Cerebrum, cerebellum and spinal cord. | Sections in Cerebrum, cerebellum and spinal cord. |
| **20** | 24  November | Membranes covering the CNS, formation of CSF, and blood-brain barrier. |
| **21** | 1  December | Skin: Epidermis, Dermis and Subcutaneous Tissue. | Thin and thick skin. Sections in |
| **22** | 2  December | Skin appendages, glands in the skin |
| **23** | 7  December | Hair and Hair follicle. | hair and hair follicles |
| **24** | 8  December | The Circulatory System and Capillaries. |
| **25** | 14  December | Heart, and its conductive system. | Blood vessels; aorta, vena cava, muscular arteries and accompanying veins, Heart and Purkinje fibers |
| **26** | 15  December | AV anastomosis, arteries, Veins and lymph vessels. |
| **27** | 21  December | Diffuse and nodular lymphatic tissue, B & T-lymphocytes. | Lymphoid organs; Lymph Nodes & Tonsils. |
| **28** | 22  December | Lymph Nodes & Tonsils. |
| **29** | 28  December | Thymus, gut associated lymph tissue & spleen. | Thymus & Spleen.  Re-examining slides |
| **30** | 29  December | Revision and Overview. |

**Instructor Signature: Dean Signature:**