**Course Description Form of Histology**

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| 1. Course Name:
 |
| **Histology** |
| 1. Course Code:
 |
| WBM/32/07 |
| 1. Semester / Year:
 |
| Semester 1 |
| 1. Description Preparation Date:
 |
| 2023-9-15 |
| 1. Available Attendance Forms:
 |
| presence in the classroom |
| 1. Number of Credit Hours (Total) / Number of Units (Total)
 |
| 60Hours / 3Units |
| 1. Course administrator's name (mention all, if more than one name)
 |
| Name: Kawthar Ali HasanEmail: Kawtharali@uowa.edu.iq |
| 1. Course Objectives
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| **Course Objectives** | The histology course aims for the student to acquire the following skills:* Enabling students to obtain general knowledge about tissues
* Tissue characteristics and the damage that occurs in them
* Know the types of specialized tissues
* Identifying tissue pigmentations and using them in preparations and early detection of some diseases
* The relationship of histology with physiology
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| 1. Teaching and Learning Strategies
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| **Strategy** | * Using the smart board
* Use illustrative pictures whenever possible
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| 1. Course Structure
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| **Week**  | **Hours**  | **Required Learning Outcomes** | **Unit or subject name**  | **Learning method**  | **Evaluation method**  |
| 1 | 2 | Epithelial tissue | Introduction about tissue and features and fuction of epithelial  | Lectures presented in PDF format | Daily exams + homework assignments + monthly exams |
| 2  | 2 | Epithelial tissue 2  | Surface of epithelial and glandular tissue  | Lectures presented in PDF format | Daily exams + homework assignments + monthly exams |
| 3 | 2 | Connective tissue | Types and classification of mature of Connective tissue,connective tissue proper  | Lectures presented in PDF format | Daily exams + homework assignments + monthly exams |
| 4 | 2 | Connective tissue 2 | Extracellular matrix ,tendon ,ligament,collagen fibers and fibrils ,macrophages, inflammation, mast cells  | Lectures presented in PDF format | Daily exams + homework assignments + monthly exams |
| 5  | 2 | Bone  | Histology &function of Bone , bone cells , types of bone ,rickets & osteomalacia  | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 6 | 2 | Cartilage  | Cartilage histological, function and types of cartilage , clinical correlation  | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 7 | 2 | Blood  | Function of the blood , plasma, component of plasma, hemopoiesis , stem cells and cancer therapy  | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 8 | 2 | Muscle tissue, | Bone metabolism  | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 9 | 2 | ,heart and smooth muscle  | Types of smooth muscles, multi-unit smooth muscle , electrical & mechanical activity , molecular basis of contraction , stimulation of smooth muscle , function of nerve supply to smooth muscle  | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 10 | 2 | Fibers  | **Fibers**  | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 11 | 2 | Histology preparation  | Histology preparation | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 12 +13 | 4 | Microscope  | Types of microscope , properties of microscope  | Lectures presented in PDF format | Daily exams + homework assignments + monthly |
| 14+15 | 4 | Nervous tissue  | Neurons, cell body, dendrites, axon , synapse , structure of synapse, glial cells , types of glial cells medical application | Lectures presented  | Daily exams + homework  |
| 1. Course Evaluation
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|  Daily exams scientific questions. ‏ Establishing grades for environmental duties and the reports assigned to them Semester exams for the curriculum, in addition to the mid-year exam and final exam |
| 1. Learning and Teaching Resources
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| Junqueiras- basic – histology and cell biology  |
| General Histology Books  |