**Theoretical and practical course plan**

**Ilam University of Medical Sciences**

**Introducing the course of theoretical histology of laboratory sciences**

**Second semester 2020-2021**

School: Medicine Department: Anatomy

\* Course Name: Gastrointestinal Anatomy

\* Degree: Laboratory Science - Bachelor

\* Day and time: Monday 10-8

\* Venue: Medical School

\* Number and type of unit: a theoretical unit

\* Prerequisite courses: None

\* Instructor: Dr. Yousef Mohammadi

\* Phone and contact days: 08432235713-09102041429

\* Office address: Anatomy Department

\* E-mail address: [yosef.1365@yahoo.com](mailto:yosef.1365@yahoo.com)

\* **General Objective of the course**: Learning with microscopic anatomy (histology) of human body tissues to the extent required by laboratory experts

**Specific objectives of the course:**

**Cognitive scope**:

At the end of this training package, the student should know the following and their clinical significance.

1- Basics of histology including the definition of histology and study methods in histology

2- Tissue division: including how to form and types of tissues

3- Cover texture: definition and types

4- Connective tissue including general connective tissue (types and structure) and specific connective tissue (definition)

5- Special connective tissue (cartilage and bone)

6- Special connective tissue (fat)

7- Muscle tissue including types of muscle tissue with emphasis on skeletal muscle

8- Nervous system tissue including white matter and gray matter and cell types

9- Circulatory system tissue including heart tissue, arteries and veins

10- Lymphatic system tissue including lymph nodes, thymus and spleen

11- Gastrointestinal tissue including gastrointestinal tract, tongue and throat, glands attached

12- Urinary tract tissue including all bladder and urethral ureters

13- Genital tissue including genital glands and external genitalia

14- Respiratory tissue including nasal larynx, trachea and lung

**Skills:**

1. Since one of the pillars of clinical diagnosis based on microscopic diagnosis is based on microscopic diagnosis of patient tissues, so learning natural microscopic anatomy provides a suitable background for diagnosing various diseases.

\* Student duties: (Student homework during the semester)

The student must be present in class and answer the questions raised in each session. Participate in quizzes and midterm exams and do the relevant homework.

\* **Main resources of the course Main resources** (by observing the principles of source writing and giving an address for their preparation, including library, bookstore, internet ...)

1- Histology of John Queira

**\* Teaching methods + teaching aids used:**

Master teaching method in the form of lectures and questions and answers and problem solving with video projector, whiteboard, educational videos, modeling and corpse teaching aids - also student-centered by doing homework and presenting conferences by students

**Methods and timing of measurement**: Student evaluation and bar related to each evaluation: (Type of exams in terms of question design - loading - exam time and homework should be mentioned)

|  |  |  |  |
| --- | --- | --- | --- |
| Method | Score | Date | Time |
| Quiz (if possible, depending on corona conditions) | 5 | Once every 3 sessions |  |
| End of semester | 15 | End of semester |  |

**Lesson rules and expectations from students:**

The presence of all students in the class is mandatory and students should study the contents of previous sessions for each session and be prepared for questions and answers and exams, as well as relevant tasks such as research on items requested by the teacher in the field of anatomy

**Schedule of theoretical histology of laboratory sciences**

**For the second semester 2020-2021**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Session | Time | Topic | Lecturer | Student homework |
| 1 | 8-10 | Histological preparations, types of tissues, cover tissue | Dr. Yousef Mohammadi | - |
| 2 | 8-10 | General connective tissue and specific connective tissue (adipose tissue) | Dr. Yousef Mohammadi | Know the contents of  previous session |
| 3 | 8-10 | Special connective tissue (bone and cartilage) | Dr. Yousef Mohammadi | Know the contents of previous session |
| 4 | 8-10 | Muscle tissue | Dr. Yousef Mohammadi | Know the contents of previous session |
| 5 | 8-10 | Tissue of the circulatory system and lymphatic system | Dr. Yousef Mohammadi | Know the contents of previous session |
| 6 | 8-10 | Gastrointestinal tract tissue | Dr. Yousef Mohammadi | Know the contents of previous session |
| 7 | 8-10 | Glandular tissue attached to the gastrointestinal tract | Dr. Yousef Mohammadi | Know the contents of previous session |
| 8 | 8-10 | Urinary tract tissue, respiratory tissue | Dr. Yousef Mohammadi | Know the contents of previous session |
| 9 | 8-10 | Nervous system tissue | Dr. Yousef Mohammadi | Know the contents of previous session |