**Theoretical and practical course plan**

**Ilam University of Medical Sciences**

**Introducing the practical histology course 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 practical 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 purpose of the course: Introductory introduction to the microscopic structure (histology) of **Specific objectives of the course**:

Microscopic training of the structure and cells that make up the body and methods of preparing histological slides

**Cognitive scope:**

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

1. Study of lamellae prepared from natural tissues of the body, including histological preparations, including epithelial tissue, cartilage connective tissue, adipose bone, muscle tissue, nervous system tissue, circulatory system, lymphatic system, tissue, gastrointestinal tract, urinary tract tissue, genital tract tissue, respiratory tract tissue human body tissues to the extent required by laboratory experts

**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 good 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:**

The teaching method of the central teacher 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 a conference 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 coronary conditions) | 5 | 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 presentation of practical histology course of laboratory sciences in the second semester 2020-2021**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| session | time | topic | lecturer | Student homework |
| 1 | 8-10 | Familiarity with histology laboratory equipment | Dr. Yousef Mohammadi | - |
| 2 | 8-10 | Familiarity with fixing materials and how to prepare slides | Dr. Yousef Mohammadi | Know the contents of previous session |
| 3 | 8-10 | General connective tissue and specific connective tissue (adipose tissue) | Dr. Yousef Mohammadi | Know the contents of previous session |
| 4 | 8-10 | Specific connective tissue (bone and cartilage), 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 |