In the name of GOD

Tabriz University of Medical Sciences

Course Guide for Anatomical Sciences – Digestive System

Course Code: 106

Course Instructor: Dr. Hajar Shafaei **Contact Number / Student Access: 33342086**

Prerequisite or Corequisite: Introduction to Anatomical Sciences

Course Credits: 2 **Course Type: Theoretical / Practical**

Program Level: Doctor of Medicine (M.D.) **Number of Sessions: 21**

Course Duration: According to the academic calendar

Class Schedule: Saturday and Mondays and Wednesdays

Classroom Location: School of Medicine classrooms **Virtual Class Link: — (M.D.)**

Other Instructors:

First Name	Last Name	Academic Rank	Department	Preferred Method of Contact
Hajar	Shafaei	Professor	Anatomical Sciences	In-person
Abbas	Majdi	Associate Professor	Anatomical Sciences	In-person
Dariush	Mohammadnejad	Professor	Anatomical Sciences	In-person

General Objective of the Course

Cognitive Domain:

By the end of this course, students should be able to identify the following and understand the importance of their surface and radiological findings under normal and clinical conditions:

1. The oral cavity and its components, a summary of the pharyngeal and esophageal spaces with their clinically important relationships, tissue structure, development, surface landmarks, and the nine regions of the abdomen.
2. The structure of the anterior abdominal wall, including muscles, vessels, nerves, and the inguinal canal.
3. The peritoneum, peritoneal spaces, recesses, and clinically important blind spots.
4. The anatomical structure, position, and clinically important relationships of abdominal viscera (gastrointestinal tract and accessory glands).
5. The blood supply, innervation, and lymphatic drainage of clinically important abdominal viscera (gastrointestinal tract and accessory glands).
6. The microscopic structure of clinically important parts of the gastrointestinal tract and accessory glands.
7. The microscopic differences among clinically important parts of the gastrointestinal tract and accessory glands.
8. The development of clinically important parts of the gastrointestinal tract and accessory glands.
9. Congenital anomalies of the digestive system.

Psychomotor (Skill) Domain:

By the end of this course, students should be able to:

1. Identify the oral cavity and its components, summarize the pharyngeal and esophageal spaces with their clinically important relationships, understand their tissue structure and development, recognize surface landmarks, the nine abdominal regions, and the surface positions of abdominal viscera on a living person.
2. Identify the peritoneal cavity and its contents on cadavers or anatomical models.
3. Identify clinically important parts of the gastrointestinal tract and accessory glands along with associated vessels and nerves on cadavers and models.
4. Recognize clinically important parts of the gastrointestinal tract and accessory glands on radiographic images.
5. Identify and differentiate the histological structures of clinically important parts of the gastrointestinal tract and accessory glands under the microscope.

Specific Objectives of the Course

It is expected that upon completion of this course, learners will be able to:

1. Fully describe the anatomy of the oral cavity and salivary glands.
2. Understand and fully describe the histology of the oral cavity and salivary glands.
3. Describe the anatomy of the pharynx and esophagus in detail.
4. Understand and fully explain the histology of the pharynx and esophagus.
5. Recognize the abdominal walls and inguinal canal and describe them in detail.
6. Identify the peritoneum and explain it thoroughly.
7. Fully describe the anatomy of the stomach and small intestine.
8. Describe the histology of the stomach in detail.
9. Fully describe the anatomy of the large intestine, rectum, and anal canal.
10. Explain the histology of the small and large intestines in detail.
11. Describe the histology of the rectum and anal canal in detail.
12. Fully understand the vessels, lymphatics, and nerves of the digestive system.
13. Describe the anatomy and histology of the liver, gallbladder, spleen, and pancreas in detail.
14. Fully explain the embryology of the digestive system.
15. Understand and apply the clinical, practical, and radiological anatomy of the digestive system.

Method of Instruction

1. The theoretical sessions are held in the classroom in the form of lectures according to the schedule announced at the beginning of the course.

2. The practical sessions are conducted through hands-on work with cadavers, anatomical models, and osteology specimens.

Student Evaluation Method

- Written and MCQ Exam: 12 points
- Practical Exam (Cadaver Work): 8 points
- Minimum Passing Grade: 10
- Allowed Absence Hours: 0
- Allowed Excused Absence Hours (with instructor's approval):
  According to the approved educational regulations, the maximum excused absence is:
  - 4/17 of total hours for theoretical courses
  - 2/17 of total hours for practical and laboratory courses
  - 1/17 of total hours for apprenticeship and internship courses

Educational Resources

- Clinical Anatomy by Region. R.S. Snell, 11th Edition, 2024
- Junqueira's basic histology. Anthony L. Mescher. McGraw-Hill Education. 17th edition, 2024
- Langman's medical Embryology. T.W. Sadler. Lippincott Williams & Wilkins. 15th Edition, 2022

Contact Information

Instructor and Course Coordinator: Dr. Hajar Shafaei

Educational Officer: Ms. Nadia Keyvani – 33342086

Full Name and Signature of the Course Instructor	Full Name and Signature of the Department Head	Full Name and Signature of the Office of Development Coordinator