

In the name of GOD
Tabriz University of Medical Sciences

**Course Guide for Anatomical Sciences –
Respiratory System**

Course Code: 105

Course Instructor: Dr. Abbas Majdi **Contact Number / Student Access: 33342086**

Prerequisite or Corequisite: Introduction to Anatomical Sciences

Course Credits: 0.75

Course Type: Theoretical / Practical

Program Level: Doctor of Medicine (M.D.)

Number of Sessions: 9

Course Duration: According to the academic calendar

Class Schedule: Saturday and Mondays

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

Other Instructors:

First Name	Last Name	Academic Rank	Department	Preferred Method of Contact
Abbas	Majdi	Associate Professor	Anatomical Sciences	In-person
Alireza	Ali Hemmati	Professor	Anatomical Sciences	In-person

General Objective of the Course

Cognitive Domain:

By the end of this course, students should be familiar with the following and understand the clinical and radiological significance of each:

1. The pleural cavity and its recesses, the anatomical structure, position, and relations of the respiratory system (nose, pharynx, larynx, trachea, bronchial tree, and lungs).
2. The histological structure of the different parts of the respiratory system.
3. The developmental process of the various parts of the respiratory system.
4. Congenital anomalies of the respiratory system.

Psychomotor (Skill) Domain:

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

1. Identify the different parts of the respiratory system (nose, pharynx, larynx, lungs) and the pleural cavity with its recesses on cadavers and models.
2. Recognize the respiratory system and its related vessels and nerves in radiological images.
3. Identify the histological structure of different parts of the respiratory system under a microscope.
4. Locate the surface anatomy of the lungs and pleura on a living body or cadaver.

Specific Objectives of the Course

After completing this course, learners are expected to be able to:

1. Describe the anatomical structure and relations of the nose, pharynx, larynx, and trachea.
2. Explain the anatomical structure and relations of the lungs and pleura.
3. Describe the histology of the respiratory system, including the trachea, bronchial tree, and lungs.
4. Explain the development (embryology and postnatal) of the respiratory system.
5. Understand and apply the clinical and radiological anatomy of the respiratory system.

Method of Instruction

1. The theoretical class is conducted as a **flipped classroom** according to the schedule announced at the beginning of the course. Parts of the topics are presented in **small group sessions by the students**. At the end of each class, a summary is made using a **case study, brainstorming, and group discussion**.
2. The practical class begins with **work on the cadaveric demonstration (anatomical prep) model**.
3. Next, the practical session continues with **work on cadavers, anatomical models, and osteology**.
4. Finally, students participate in **dissection sessions** to facilitate better understanding of the material.

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. Abbas Majdi

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**