



مركز الاعتماد
وَضْمَانُ الجُودَةِ
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

Course Name:

**The Respiratory
System**

1	Course title	The Respiratory System	
2	Course number	0500341	
3	Credit hours (theory, practical)	4	
	Contact hours (theory, practical)	54 contact hours	
4	Prerequisites/corequisites		
5	Program title	Doctor of Medicine MD	
6	Program code		
7	Awarding institution	The University of Jordan	
8	Faculty	Faculty of Medicine	
9	Department	Several Departments	
10	Level of course	bachelor	
11	Year of study and semester (s)	3rd year, Fall Semester	
12	Final Qualification	MD degree	
13	Other department (s) involved in teaching the course	Basic science departmentns	
14	Language of Instruction	English	
15	Date of production/revision		

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Prof. Munir N Gharaibeh

Office Hours: 1-3 Sunday to Thursday

Phone No. 23401 & 23427

Email: mgharaib@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Prof. Mohamed Al Mohtaseb

Office Hours: 9-11 Sunday to Thursday

Phone No.234

Email:

Dr. Yanal Shafaqog

Office Hours: 9-11 Sunday to Thursday

Phone No.234

Email: yanals@ju.edu.jo

Prof. Asem Shehabi

Office Hours: 9-11 Sunday to Thursday

Phone No.234
Email: ashehabi@ju.edu.jo

Dr. Nisreen Abu Shaheen
Office Hours: 9-11 Sunday to Thursday
Phone No. JU Hospital 2630
Email: @ju.edu.jo

Prof. Munir Gharaibeh
Office Hours: 10-2, Sunday to Thursday.
Phone No: 23456
Email: mgharaib@ju.edu.jo

18. Course Description:

As stated in the approved study plan.

This course covers the respiratory system from all aspects of its anatomic and histologic structure, as well as physiological functions of the respiratory system. It also covers the various pathological conditions and their histopathological appearances. The course also covers the most common microbiological agents affecting the system. The drugs acting on the respiratory system are also discussed with emphasis on their uses and side effects. The course is accompanied by a short introduction to the clinical presentation of the patient with a respiratory disease.

19. Course aims and outcomes:

Aim:

The aim of this course at this level of medical education is to introduce the medical student to the basic structure and function of the respiratory system, how it is affected by disease, and how drugs can modify these disease states, together with a glimpse of the clinical presentation of these diseases.

Intended Learning Outcomes (ILOs):

By the end of the Respiratory course; the student should be able to :

1. Describe the gross anatomy of organs of the respiratory system including Structure, anatomic relations, and vascular and nerve supply.
2. Describe the microscopic anatomy of organs of the respiratory system "light microscopic and electron microscopic techniques".
3. Recognize the embryonic development of organs of the respiratory system including possible congenital malformations.
4. Recognize the mechanics of breathing (lung ventilation), lung compliance, airway resistance, ventilation-perfusion relationship, gas exchange and transport, regulation of ventilation, pulmonary function test and brief clinical application to pathophysiology (lung diseases)
5. List diseases that affect the respiratory system, including: pathogenesis, epidemiology, clinical manifestation, and microscopic histological changes.
6. List causes, mode of transmission, and pathogenesis of respiratory tract infections.
7. Describe methods of specimen collection and diagnosis of respiratory tract infections.
8. Mention drugs used in the treatment of diseases that affect the respiratory system and their most common side effects.
9. List Signs and symptoms of the respiratory system: their mechanisms and correlation.
10. Take history and perform general examination including the chest (inspection, palpation, percussion, and auscultation).

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- 1- Practical sessions in the dissecting room**
- 2- Practical sessions in the multimedia lab.**
- 3- Practical sessions in the pathology lab.**

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Midterm exam: 40%

Final Exam (including practical): 60%

23. Course Policies:

A- Attendance policies: according to the bylaws of the University of Jordan

B- Absences from exams and handing in assignments on time:

C- Health and safety procedures: according to the bylaws of the University of Jordan

D- Honesty policy regarding cheating, plagiarism, misbehavior: according to the bylaws of the University of Jordan

E- Grading policy:

Letter grading according to statistics of student performance at the end of the course, and as decided by the course

committee.

F- Available university services that support achievement in the course:

- Library
- Labs

24. Required equipment:

None

25. References:

Required book (s), assigned reading and audio-visuals:

- Junqueira's Basic Histology, 13e
Anthony L. Mescher
McGraw and Hill
Chapter 20
- Gray's Anatomy for Students
Richard Drake & A. Wayne Vogl & Adam W. M. Mitchell
Relevant pages will be announced in the 1st lecture
- Goodman and Gilman's: The Pharmacological Basis of Therapeutics
Katzung and Trevor's: Basic & Clinical Pharmacology, 13th edition
Relevant pages will be announced in the 1st lecture
- Guyton and Hall Textbook of Medical Physiology, 12th Edition
John E. Hall
Relevant pages will be announced in the 1st lecture
- Robbins & Cotran Pathologic Basis of Disease,
Vinay Kumar, Abul K. Abbas, Nelson Fausto, Jon Aster
Relevant pages will be announced in the 1st lecture

A- Rec

B- Rec

26. Additional information:

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File