مركز الاعتماد وضمان الجودة
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)	5 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		
14	Language of Instruction	English	
15	Date of production/revision	27th Nov, 2021	

16. Course Coordinators:

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

Maram Abdaljaleel, MD
Office Hours: 11-3 Wednesdays
Mobile:0795088585
Email: m.abdaljaleel@ju.edu.jo

17. Other instructors:

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

Prof. Dr. Yanal Shafaqog
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Prof. Dr. Mohamed Hisham Al-Mohtaseb
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Prof. Dr. Munir Gharaibeh
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Dr. Enas Alzayadneh
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18. Course Description:

As stated in the approved study plan.
This course covers most of the respiratory system basic aspects including its embryologic, anatomic and histologic structure, physiological functions, microbiology, pathology and pharmacology. The most common respiratory system pathologies will be covered with special highlight into their histopathologic appearances. The course also covers the most common microbiological agents affecting the system. The various 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 and discussions of clinical cases.

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 and understand their clinical manifestation, microscopic features, and pathogenesis.
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:

Please follow the schedule provided from each instructor

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.**

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, 10th edition
  Vinay Kumar, Abul K. Abbas, Nelson Fausto, Jon Aster

- Jawetz, Melnick, & Adelberg's -Medical Microbiology, Twenty-Sixth Edition

26. Additional information:

Name of Course Coordinators: Maram Abdaljaleel, Signature: ----------Date: ----

--27,-Nov,2021-- Head of curriculum committee/Department: ---------- Signature: ----------

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

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

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

Copy to:
Head of Department
Assistant Dean for Quality Assurance
Course File