



مركز الاعتماد  
و ضمان الجودة  
ACCREDITATION & QUALITY ASSURANCE CENTER



**The University of Jordan**

**Accreditation & Quality Assurance Center**

## **Course Syllabus**

**Course Name:**  
**Internal medicine**  
**course for 4<sup>th</sup> year**  
**students**

1	Course title	Internal Medicine 1
2	Course number	0508412
3	Credit hours (theory, practical)	9.0
	Contact hours (theory, practical)	9.0
4	Prerequisites/corequisites	Passing introductory course
5	Program title	Internal Medicine 1
6	Program code	0508412
7	Awarding institution	University of Jordan
8	Faculty	Medicine
9	Department	Internal Medicine
10	Level of course	Fourth year medical students
11	Year of study and semester (s)	Fourth year
12	Final Qualification	
13	Other department (s) involved in teaching the course	N/A
14	Language of Instruction	English
15	Date of production/revision	10/2/2021

**16. Course Coordinator:**

*Dr Sameeha AlShelleh, M.D.*  
*Internal medicine Department, Nephrologist*  
*Office hours: Tuesday 11-1 pm .*  
*Email:s.shelleh@ju.edu.jo*

**17. Other instructors:**

N/A

**18. Course Description:**

A three-month-rotation with 8 medical subspecialties divisions; including inpatient and outpatient care at Jordan University hospital, King Hussien Medical Center, and Al-Basheer hospital.

Daily (Sunday-Thursday):

- Morning lecture - 7.15am to 8am
- Inpatient follow up - 8.15am to 9am
- Teaching rounds - 9 am to 10.50am
- Seminars - 11am to noon
- Attending department teaching activities (flea market, Grand rounds, Morbidity & Mortality) -

1200-1.30pm (Optional for 4th year students).

- Inpatient follow up and new patients care – 1.30pm to 3.00 pm
- Online seminar 2-3pm
- Online lecture 4-5pm

## 19. Course aims and outcomes:

### A- Aims:

- To highlight the concept of health and disease and provide knowledge of the common medical disorders
- Offer information regarding approach to patients, identification of disease, reaching diagnosis, and how to provide care and respond to patient needs
- Offer information about how to obtain medical history and perform physical examination, and how and what investigations to request. furthers assist the student to develop skills of interviewing, communication, and rapport establishment
- To provide the students information regarding formulation, broad lines of management and safety use of medications and drug interactions

### B- Intended Learning Outcomes (ILOs):

Successful completion of the course should lead to the following outcomes:

At the end of the rotation the student is expected to have:

- Developed concept of health and disease, case identification and approach to diagnosis and management
- Learnt to perform proper clinical assessment
- Developed skill of interviewing, communication, establishment of rapport and meeting different patient needs
- Obtained knowledge of available clinical diagnostic facilities and investigations, treatment methods, safety use of drugs ,and awareness of non-pharmacological approaches
- Become aware of the ethical issues of medical practice and patient rights.
- At outside teaching hospitals the focus will be mainly on **mastering** taking history and physical examination of patients from different back grounds and different atmospheres than JUH

## 20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Endocrinology	2	Division chair	See section 19	See section 22	See section 25
Cardiology	2	Division chair	See section 19	See section 22	See section 25
Nephrology	2	Division chair	See section 19	See section 22	See section 25
Respiratory	2	Division chair	See section 19	See section 22	See section 25
Infectious disease	2	Division chair	See section 19	See section 22	See section 25
Hematology/Oncology	2	Division chair	See section 19	See section 22	See section 25
Gastroenterology	2	Division chair	See section 19	See section 22	See section 25
Rheumatology	2	Division chair	See section 19	See section 22	See section 25

## 21. Teaching Methods and Assignments:

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

Teaching Method	ILO/s
Lectures and Discussions:	<b>Understanding of common medical topics.</b>
Homework and Assignments:	<b>Acquire skills of looking for information and apply it in case management through problem based learning. Each student with turn in at least 10 cases at the end of each 2 weeks medical subspecialty rotation.</b>

Projects:	-
Presentation	<b>Acquire skills of presenting common medical topics effectively.</b>

### **Course Contents**

#### **A. Respiratory**

1. Anatomy and physiology of respiratory system
2. Pulmonary function tests
3. Arterial blood gases
4. Chest x-ray
5. Thromboembolism disease
6. Chronic pulmonary obstructive disease
7. Lung cancer
8. Bronchiectasis
9. Pulmonary hypertension
10. Acute respiratory distress
11. Bronchial asthma
12. Pneumonia
13. Pleural disease
14. Obstructive sleep apnea
15. Interstitial lung disease
16. Respiratory failure

#### **B. Cardiology**

1. Cardiac evaluation
2. Cardiac investigation
3. Ischaemic heart disease
4. Acute coronary syndrome
5. Arrhythmias
6. Congenital heart disease
7. Cardiac arrest
8. Pericardial disease
9. Valvular heart disease
10. Rheumatic fever
11. Infective endocarditis
12. Cor pulmonale
13. Cardiac tumors
14. Peripheral vascular disease
15. Lipid disorder
16. Cardiomyopathies
17. Myocarditis
18. Heart failure
19. hypertension

#### **C. Gastroenterology**

1. Interpretation of liver function tests
2. Gastro-intestinal procedures
3. Jaundice
4. Autoimmune liver disease
5. Complications of liver diseases
6. Hereditary liver diseases
7. Chronic viral hepatitis
8. Fulminant liver failure
9. Acute viral hepatitis
10. Peptic ulcer disease
11. Pancreatitis
12. Gastrointestinal hemorrhage

13. Inflammatory bowel disease
14. Esophageal disorders
15. Irritable bowel syndrome
16. Gastrointestinal complications of diabetes
17. Gastrointestinal infections
18. Chronic diarrhea
19. Mal absorption syndrome and celiac disease
20. Gall bladder disease

**D. Nephrology**

1. Anatomy and physiology of the kidney
2. Proteinuria
3. Hematuria
4. Glomerulonephritis
5. Tubular interstitial diseases
6. Lupus nephritis
7. Acid base balance and electrolytes
8. Calcium and phosphorus disorders
9. Urinary tract infections
10. Acute renal failure
11. Chronic renal failure
12. Renal stones
13. Diabetic nephropathy
14. Hypertension
15. PCKD
16. RRT
17. Drugs and the kidney

**E. Hematology/Oncology**

1. Approach to anemia
2. Iron deficiency anemia
3. Megaloblastic anemia
4. Aplastic anemia
5. Acquired hemolytic anemia
6. RBC enzymopathies
7. Hemoglobinopathies
8. RBC membrane disorders
9. Iron overload disorders
10. Approach to bleeding disorders
11. Platelets disorders
12. Hemophilia
13. Thrombophilia
14. Other bleeding disorders
15. Acute leukemia
16. Chronic leukemia
17. Chronic myeloproliferative disorders
18. Lymphomas
19. Plasma cell disorders
20. Bone marrow and stem cell transplantation
21. Blood transfusion

**F. Endocrinology**

1. Diabetes Mellitus
2. Hypothalamic adrenal axis disorders Pituitary and adrenal disorders and Overview of pituitary tumors
3. Hirsutism
4. Thyroid disorders
5. Endocrine hypertension
6. Reproductive endocrine disorders
7. Calcium disorders

8. Osteoporosis
9. Other endocrine disorders
10. Pediatric endocrinology

#### G. Infectious diseases

1. HIV infection
2. Brucellosis
3. Sepsis
4. Infectious diarrhea
5. Fever and fever of unknown origin
6. Tuberculosis
7. Syphilis
8. Neutropenic fever
9. Dengue fever
10. Influenza
11. Infection control
12. Principles of antibiotic therapy
13. Antibiotic resistance

#### H. Rheumatology

1. Laboratory evaluation
2. Rheumatoid arthritis
3. Lupus
4. Osteoarthritis
5. Seronegative arthritis
6. Seronegative spondyloarthropathy
7. Polymyalgia rheumatica and giant cell arteritis
8. Vasculitis
9. Crystal arthritis
10. Scleroderma

## 22. Evaluation Methods and Course Requirements:

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

Evaluation	Point %	Date
OSCE Exam	30	End of the 3-month-rotation
Evaluation	20	End of each 2 weeks subspecialty rotation
Final Exam	50	Final Exam

**23. Course Policies:**

- A- Attendance policies: See University regulations please visit: <http://www.ju.edu.jo/rules/index.htm>
- B- Absences from exams and handing in assignments on time: See University regulations please visit: <http://www.ju.edu.jo/rules/index.htm>
- C- Health and safety procedures: See University regulations please visit: <http://www.ju.edu.jo/rules/index.htm>
- D- Honesty policy regarding cheating, plagiarism, misbehavior: See University regulations please visit: <http://www.ju.edu.jo/rules/index.htm>
- E- Grading policy: See University regulations please visit: <http://www.ju.edu.jo/rules/index.htm>
- F- Available university services that support achievement in the course: See University regulations please visit: <http://www.ju.edu.jo/rules/index.htm>

**24. Required equipment:**

N/A

**25. References:**

- A- Required book (s), assigned reading and audio-visuals:
- Macleod's clinical examination
  - Cecil Essentials of Medicine
  - Davidson' textbook of medicine
  - Kumar textbook of medicine
- B- Recommended books, materials, and media:
- Harrison's textbook of medicine

**26. Additional information:****Notes:**

- Concerns or complaints should be expressed in the first instance to the module lecturer; if no resolution is forthcoming, then the issue should be brought to the attention of the module coordinator (for multiple sections) who will take the concerns to the module representative meeting. Thereafter, problems are dealt with by the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For final complaints, there will be a committee to review grading the final exam.
- For more details on University regulations please visit: <http://www.ju.edu.jo/rules/index.htm>

Name of Course Coordinator: Dr Sammeha Ahmad AlShelleh,MD.--Signature: ----- Date: ---

-----Head of curriculum committee/Department: -DR Munther almomani..... Signature: -----

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Head of Department: DR Munther almomani ----- Signature: -----

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

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

Copy to:

Head of Department  
Assistant Dean for Quality Assurance  
Course File