

**THE UNIVERSITY OF JORDAN**

**FACULTY OF MEDICINE**

**DEPARTMENT OF INTERNAL MEDICINE**

Course outline

<b>Classification:</b>	Medicine
<b>Course Code:</b>	0500401
<b>Course Title:</b>	Introductory course to clinical medicine and medical ethics
<b>Year Level :</b>	4 <sup>th</sup> . Year
<b>Round Schedule:</b>	Arranged by individual teachers
<b>Duration (Weeks):</b>	8 Weeks
<b>Tutorial Schedule</b>	5 days a week, 8am-5pm
<b>Credit Hours</b>	9
<b>Course Coordinator</b>	Dr. Nathir Obeidat Dr. Ayman Wahbeh Dr. "Mohammad Amer" Al-Khatib
<b>Prepared by:</b>	Committee formed of teaching staff members of the Department of Medicine
<b>Date of Outline Preparation:</b>	19-05-2005
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<b>Checked by:</b>	Members of Department
<b>Approved by Head of Department:</b>	Dr. Nathir Obeidat

# **Introductory course to clinical medicine and medical ethics**

University of Jordan has been characterized since its beginning, and in particular the Faculty of Medicine, with a lofty goal to graduate Doctors who have high professional skills, armed with high degree of theoretical and practical knowledge, without forgetting the moral and social aspects of the medical profession. And To achieve this, the University of Jordan attracted the finest people of this nation who have the best reputation in the scientific academic and medical fields, and it provided Jordan University Hospital with every aspect of Medical Technology, modern medical devices, and extraordinary laboratories.

It is the university policy to grant only the best students the chance to enroll in the Faculty of Medicine, thus ensuring excellent knowledge and various skills of our graduate doctors.

## **I. Rotation Description**

This course was introduced from the first years of creating and establishment of Faculty of Medicine, and was supervised from the beginning by one of the first doctors and teachers, Prof. Kandeel Shakir (may God rest his soul in peace), who supervised it till he had to leave Jordan University shortly before passing away. It should be noted that this course is being taught in many medical schools in the world.

This course introduces Basic internal medicine and Basic Surgical principles to the 4th year medical students where students learn how to take medical history and perform physical examination, and also covers Medical Ethics to apply its principles through training in clinical years.

This course is now supervised by the Head of Internal Medicine department Dr. Nathir Obeidat, side by side with Dr. Ayman Wahbeh, who are both members of the faculty teaching staff. Only distinguished residents are chosen to instruct students in this course. Each instructor is held responsible for one small group of around 12 students, where he/she is required to supervise and guide students within a unified general frame and a clear vision.

## **II. Rotation Objectives**

- 1- To transfer the student from Basic Medical knowledge to Clinical knowledge.
- 2- To teach the student how to take Proper History from patients and perform Proper Physical examination.
- 3- To improve the communication skills of the student.
- 4- To teach the student the Medical ethics of this profession.

- 5- To increase the theoretical medical knowledge for most signs and symptoms of many diseases.
- 6- To train the student time-commitment, respecting deadlines, and perform his duties and to comply with the Dress Code.

### **III. Rotation Expected Outcomes**

By the end of this course, students are expected to:

1. Acquire basic knowledge about common medical diseases and surgical diseases affecting various organ systems
2. Take proper clinical history
3. Conduct proper clinical examination
4. Identify physical signs of common medical illnesses
5. Knowing the principles of Basic Life Support (BLS)
6. To apply the principles of Medical Ethics, through training in clinical years and to determine priorities when medical obligations are in contradiction with legal obligations.
7. Build up proper relations with colleagues, patients, and staff members working in the hospital

### **IV. Suggested Textbook(s) and Readings**

1. Macleod's clinical examination  
By Graham Douglas, Fiona Nicol, Colin Robertson
2. Handouts and Lectures

### **V. Teaching Materials Made Available to Students**

1. Textbook and references
2. Lecture Notes and Handouts, from seminars prepared teaching assistants.
3. Clinical Skills Center Medical for demonstration and simulation (Physical Examinations, BLS, Murmurs ...etc)
4. Simulators to take medical history and perform physical examination before going to the patients

### **VI. Educational Facilities**

1. Classroom with whiteboard and projection facilities
2. College Library

3. Internet
4. A well equipped Clinical Skills Center for demonstration and simulation

## VII. Daily Schedule

Sunday – Wednesday daily schedule:

<b>Time</b>	<b>Activity</b>
8:00 – 8:15	Attendance check
8:15 – 9:15	Lecture
9:15 – 9:30	Video tutorial
9:30 – 10:00	Break
10:00 – 12:00	Working within small groups
12:00 – 13:00	Lecture (Medical Ethics)
13:00 – 13:30	Break
13:30 – 15:00	Working within small groups
15:00 – 17:00	History taking

Thursday daily schedule:

<b>Time</b>	<b>Activity</b>
8:00 – 8:15	Attendance check
8:15 – 8:45	Students feedback
8:45 – 9:30	Revision lecture
9:30 – 10:00	Break
10:00 – 11:00	Quiz
11:00 – 11:30	Break

11:30 – 13:00	Working within small groups
13:00 – 17:00	Self learning

**Note:** On Tuesday and Wednesday the Medical Ethics lecture is replaced by a lecture about Occupational Safety & Prevention of Blood Stream Infection.

### VIII. Rotation Outline

The following topics will be covered in this rotation\*:

No.	Topic	Objectives	Supervised by	Duration
1	History taking and General examination	<ol style="list-style-type: none"> <li>1. Improving communication skills and taking with patients</li> <li>2. Presenting the chief complaint</li> <li>3. General examination of the body and examination of the skin, hair and nail</li> <li>4. Documenting the findings and writing the notes</li> </ol>	Dr. Nathir Obeidat  Dr. Ayman Wahbeh	1 week
2	The Cardiovascular system	<ol style="list-style-type: none"> <li>1. Knowing the basic anatomical structures of the heart and concepts of common cardiac and peripheral vascular diseases</li> <li>2. Knowing the symptoms of cardiovascular diseases and taking history from patients with cardiovascular complaints</li> <li>3. Performing full cardiovascular system examination</li> <li>4. Knowing common cardiac investigations</li> </ol>	Dr. Akram Abu-Saleh  Dr. “ Mohd-Amer“ Al Khatib	1 week
3	The Respiratory system	<ol style="list-style-type: none"> <li>1. Knowing the basic concepts of common respiratory diseases</li> <li>2. Getting familiar with the symptoms of respiratory diseases and taking history from patients with respiratory complaints</li> <li>3. Conducting full respiratory system examination</li> <li>4. Knowing respiratory investigations</li> </ol>	Dr. Nathir Obeidat	1 week
4	The gastrointestinal and Renal systems	<ol style="list-style-type: none"> <li>1. Getting familiar with the basic concepts of common</li> </ol>	Dr. “ Mohd-Amer“ Al Khatib	1 week

		<p>Gastrointestinal and kidney diseases</p> <ol style="list-style-type: none"> <li>2. Discussing the symptoms of Gastrointestinal and kidney diseases and taking history from patients with gastrointestinal complaints</li> <li>3. Conducting full Gastrointestinal and kidney examination</li> <li>4. Getting familiar with common Gastrointestinal and kidney investigations especially urine analysis</li> </ol>	Dr. Ayman Wahbeh	
5	The Musculoskeletal system, Blood, and Thyroid gland	<ol style="list-style-type: none"> <li>1. Being familiar with the basic concepts of common Musculoskeletal diseases</li> <li>2. Knowing the symptoms of Musculoskeletal diseases and taking history from patients with Musculoskeletal complaints</li> <li>3. Performing full Musculoskeletal system examination</li> <li>4. Knowing common Musculoskeletal system investigations</li> <li>5. Basic concepts of the Hematology system</li> <li>6. History and Examination of the Endocrine diseases especially thyroid disorders</li> </ol>	<p>Dr. Khader Mustafa</p> <p>Dr. Ayman Wahbeh</p> <p>Dr. Ayman Zayed</p>	1 week
6	The Neurology system	<ol style="list-style-type: none"> <li>1. Revision of the basic concepts of common Nervous diseases</li> <li>2. Discussing the signs and symptoms of Nervous diseases and taking history from patients with Nervous complaints</li> <li>3. Conducting full Nervous system examination</li> <li>4. Knowing common Nervous system investigations and imaging studies</li> </ol>	<p>Dr. Nathir Obeidat</p> <p>Dr. Said Dahbour</p>	1 week
7	Basic and Advance Life Support Communication Skills	<ol style="list-style-type: none"> <li>1. How to perform Heimlich maneuver</li> <li>2. How to perform CPR</li> <li>3. Basic ECG principles</li> <li>4. Improving Communication</li> </ol>	<p>Dr. Nathir Obeidat</p> <p>Dr. Tareq Goussous</p>	1 week

		skills		
8	Medical ethics	<ol style="list-style-type: none"> <li>1. Apply the principles of Medical Ethics, through training in clinical years</li> <li>2. Apply the Codes of Medical Ethics (the old and recent ones at the international level), taking in to consideration the national code.</li> <li>3. Differentiate Ethical from Legal obligations.</li> <li>4. Apply Medical knowledge and experience to the administration of Law.</li> <li>5. Determine priorities when medical obligations are in contradiction with legal obligations.</li> <li>6. Identify legal and disciplinary implications of ignorance or violation of Law or Medical Ethics.</li> <li>7. Follow periodically changes in Ethical and legal issues.</li> <li>8. Practice communication skills.</li> </ol>	Dr. Samih Abu Al Raghieb	1 hour daily of in the first 4 weeks of the introductory course rotation 12:00 – 1:00 pm

**\*Note:** Pediatrics, Obstetric and Gynecology (Ob/Gyn), Ear, Nose, and Throat (ENT), Urology , and Ophthalmology Histories and Physical examinations will be discussed thoroughly in 5<sup>th</sup> year in their separate rotations.

## IX. Instructional Methods

- Seminars.
- Sharing & discussing cases.
- Miscellaneous (Videos, images, and sounds).
- The students are required to have the following items during this course:
  1. Stethoscope with separate bell and diaphragm heads (2 acoustic channel model is preferable).
  2. Flashlight (either a separate penlight or part of the horoscope Ophthalmoscope handle).
  3. Flexible measuring tape or ruler.
  4. Watch (digital or with a sweep second hand).
  5. Reflex hammer.
  6. Tuning fork (256 cps is recommended).

## X. Student Rotation Evaluation Methods

The evaluation system provides a standardized measurement of medical student skills in the following areas:

- **History**
- **Physical examination**
- **Communication**
- **Link of basic sciences with diseases.**
- **Attitude and attendance.**

## XI. Major Evaluation Dates

### 1- System 's Quizzes:

Each of every other Thursday a multiple choice questions test of 20 questions related to the system(s) assigned to that week or those 2 weeks. So a total of 3-7 such tests will be performed during the course.

### 2- Final Examination

At the end of the course, a final examination will be performed. The final examination is divided into:

**A- Written part:** contains 100 MCQs questions.

**B- Clinical examination:** Using 7-10 OSCE stations including history taking from cases with common diseases and physical examination of the major Systems.

### Grades:

- **10%** for the evaluation of each student in each small group, considering the following points:
  - **Attendance.**
  - **Knowledge.**
  - **Attitude**
  - **Skills necessary for effective patient communication and physical examination.**
- **10%** Evaluation
- **20%** for system's quizzes.
- **30%** for final practical examination (OSCE exam).
- **40%** for final written examination.