



Assuit University

Faculty of Medicine

Department Of Internal Medicine



Faculty of Medicine
Quality Assurance Unit

Internal Medicine Course Specifications

5th year of M.B.B.Ch. Program
2016-2017.

Internal Medicine

University: Assiut

Faculty: Medicine

Department: Departments of Internal Medicine

1- Basic course information

Course title: Internal Medicine course

Code: AMed020

Academic year / Level: 5th year, course of M.B.B.ch Program

Program(s) on which the course is given: M.B.B.Ch. program

Departments offering the course:

- ✓ **Department of internal medicine**
 - . Endocrinology &metabolism
 - . Nephrology
 - . Gastroenterology
 - . Rheumatology
 - . Hematology
 - . Geriatric and Emergencies Medicine
- ✓ **Department of Cardiology**
- ✓ **Department of Neurology and psychiatry**
- ✓ **Department of Chest diseases and T.B**
- ✓ **Department of Tropical Medicine and Gastroenterology**
- ✓ **Department of Dermatology and Venerology**
- ✓ **Department of Clinical pathology**

Lecture: 253 hours

Tutorial/ Practical: 24 weeks

External evaluators: Prof. Dr: Mohamed a Mossa

Prof. Dr Adel abd El-Aziz

Prof .Dr.Yousef Elswaify

Date of last revision :11-2016

2- 1- Overall aims

- To provide the student with an appropriate background covering the etiology; the pathogenesis; and the clinical, laboratory and pathologic manifestations of the diseases or medical conditions they are likely to confront in the practice of their specialty.
- To provide care to individual patients.
- To obtain an accurate medical history that contains all relevant information; to perform in a highly skilled manner a complete organ system specific, physical examination; to perform skillfully those diagnostic procedures warranted by their patients' conditions and for which they have been trained
- To obtain, interpret properly, and manage information from laboratory and radiology studies that relate to the patients' conditions, and seek consultation from other physicians and other health professionals when indicated.
- To communicate with patients and patients' families about all of their concerns regarding the patients' health and well-being
- To describe the economic, psychological, occupational, social, and cultural factors that contribute to the development and/or prognosis of medical conditions that impair health.
- To provide the student with an appropriate background covering the principles of evidence-based medicine and cost effectiveness in making decisions about the utilization of limited medical resources

2- Intended Learning Outcomes (ILOs)

A- Knowledge and understanding:

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

- A1- Mention the etiology, pathogenesis, clinical features, complications, principles of prevention and management of common and life-threatening medical illnesses affecting the body and each of its major organ systems.
- A2- Illustrate differential diagnosis of common clinical problems presenting to doctors in primary health care setting, hospital and community, with emphasis on early manifestations of serious diseases (e.g., malignancy) and emergencies.
- A3- Mention the relative risks and benefits of outcomes and treatment options of common clinical problems.
- A4- Describe the determinants of health and principles of disease prevention and behavior change appropriate for specific patient populations within the community and internationally, and apply these to patient care responsibilities and broader patient care initiatives.

B- Intellectual skills

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

- B1- Reason deductively in solving common medical problems.
- B2- Integrate the results of history, physical and laboratory test findings into a meaningful diagnostic formulation.
- B3- Plan and locate, when possible, the crucial pieces of missing clinical information, and determine when it is appropriate to act on incomplete information.
- B4- Construct appropriate management strategies (both diagnostic and therapeutic) for patients with common medical conditions, both acute and chronic, including organic and psychiatric, conditions, and those requiring short- and long-term rehabilitation.
- B5- Plan an initial course of management for patients with serious conditions requiring critical care.
- B6- Predict factors that place individuals at risk for disease or injury, to select appropriate tests for detecting patients at risk for specific diseases or in the early stage of disease, and to determine strategies for responding appropriately
- B7- Retrieve, analyze, and synthesize relevant and current data and literature, using information technologies and library resources, in order to help solve a clinical problem.
- B8- Propose clinical decisions utilizing methods, which integrate the best research evidence with clinical expertise and patient values.
- B9- Recognize and cope with uncertainty by; accepting that uncertainty is unavoidable in the practice of medicine and using appropriate cognitive and intellectual strategies to deal with uncertainty when it arises
- B10. Interpret the results of commonly used diagnostic procedures and commonly-employed laboratory tests, including tests of blood and other body fluids, modalities, and other basic specific tests such as electrocardiography.

C- Professional clinical skills

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

- C1- Perform an accurate medical history that covers all essential aspects of the history, including issues related to age, gender, and socio-economic status & Residence
- C2- Perform both a complete and an organ system specific examination, including a mental status examination
- C3- Perform routine technical procedures including at a minimum venipuncture, inserting an intravenous cannula, arterial puncture, thoracentesis, , inserting a nasogastric tube, and inserting a Foley's catheter (house officer activities)
- C4- Able to the most frequent clinical, laboratory, radiological, and pathologic manifestations of common diseases.
- C5- To observe patients with immediately life threatening cardiac, pulmonary, or neurological conditions regardless of etiology, and institute appropriate initial therapy
- C6- To perform safe prescription of different types of drugs and work out drug dosage based on patient age weight and health state.

D- General and transferable skills

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

- D1- Communicate effectively with patients, their families and the community through verbal, written and other non-verbal means of communication, respecting the differences in beliefs and backgrounds among patients and students
- D2- Establish professional relationships with patients, their families (when appropriate) and community that are characterized by understanding, trust, respect, empathy and confidentiality.
- D3- Discuss information to the patient and family (as appropriate) in a human manner, and in such a way that it is easily understood encourages discussion and promotes the patient's participation in decision-making.
- D4- Gather information, and develop and interpret a treatment plan, while considering the influence of factors such as the patient's age, gender, ethnicity, cultural and spiritual values, socioeconomic background, ethical conditions, and communication challenges.
- D5- Organize plan for a patient he/she has assessed, including investigation, treatment and continuing care, in collaboration with the members of the interdisciplinary team.
- D6- Demonstrate altruism, honesty and integrity and respect in all interactions (communicate effectively) with patients, families, colleagues, and others with whom physicians must interact in their professional lives.
- D7- Retrieve, manage, and present information by all means including electronically.

4- Course Contents:

Unit (hours)	Department (hours)	Lectures (hours)	Practical/Tutorial Problem solving /word round (hours)
Hematology	Internal Medicine	15	55
Nephrology	Internal Medicine	17	55
Gastroenterology	Internal Medicine	20	58
Endocrinology	Internal Medicine	21	58
Rheumatology	Internal Medicine	11	55
General Medicine	Internal Medicine	20	55
Tropical medicine	Tropical Medicine & GIT	22	40
Cardiology	Cardiology	27	40
Neurology	Neurology & Psychiatry	25	40
Psychiatry	Neurology & psychiatry	6	20
Dermatology	Dermatology	24	40
Chest diseases & T.B	Chest	25	40
Clinical pathology	Clinical Pathology	20	-
Total		253	552

5- Teaching and learning methods

1- Lectures to teach a1-a5, c1-c9

2- Teaching in different medical wards and outpatient clinics to teach b1-b7, d1-d7, and c1-c9;

- Clinical demonstration
- Bedside clinical teaching
- Classes with active participation of students for clinical and ethical.
- Communicational skills.
- Interpretation of an X rays.
- Observation of bedside simple procedures.
- Training in emergency department and observations of inpatient new cases.
- Problem-solving (case study) and tutorial sessions
- Log books for presenting clinical cases.
- E-learning.

Facilities required for teaching and learning

- 1- Lecture halls
- 2- Rooms for small groups teaching
- 3- Audio visual aids (data shows, overhead, slide projector....etc)
- 4- Computers and internet facilities
- 5- Faculty library
- 6- Central library of the Assiut University
- 7- Skills laboratory
- 8- outpatient clinics,

6- Teaching and learning methods for students with learning difficulties:

1- Lectures

2- Teaching in different medical wards and outpatient clinics by adding Special courses for them as outside the teaching schedule:

- Clinical demonstration
- Bedside clinical teaching
- Classes with active participation of students for clinical, ethical and
- Communicational skills
- Observation of bedside and simple procedures
- Problem-solving (case study) sessions
- Log books for presenting clinical cases
- E-learning.

7- Student assessment Methods:

1- Written Exams (essay and MCQs) to assess a1-a5, c1- c9

2-Four OSCE stations (general ex., history taking , psychiatric case and x-rays) to assess b1-b7, d1-d7, and c1-c9

3-Four Short clinical cases to assess b1-b7, d1-d7,

4- Oral examinations to assess a1-a5, c1 - c9, d1-d7

5- Attendance criteria (minimum requirements 75% of the clinical teaching methods)

6- Practical examinations by ten stations on data show to assess b1-b7

7 - Log Book

Assessment schedule

Mid term examination:

Assessment 1: A set of processes, including MCQs or short essay, problem solving and matching question examination (written) in different specialties offered by Internal Medicine .Also formative assessment every 4weeks and using electronic teaching(cardiology and clinical pathology) and OSCE examination.

Assessment 2: Short essay and MCQs by the end of rotation in Cardiology unit

Assessment 3: Short essay, MCQs and clinical cases examinations by the end of rotation in Neurology and psychiatry units

Assessment 4: short essay and MCQ and clinical after end of rotation in Chest unit

Assessment 5: Short essay and MCQs and clinical by the end of rotation in Tropical unit

Assessment 6: Skin and venereal short essay and MCQs and clinical examinations by the end of rotation.

Final examinations:

Assessment 7: Final written examination (paper 1)

Assessment 8: Final written examination (paper 2)

Assessment 9: Final written examination (paper 3)

Assessment 10: **7short clinical stations**(on patients ,general examination,history taking,psychiatry,chest,cardiovascular,neurology and abdominal cases).

Assessment 11: Clinical stations (OSCE) DATA SHOW

Assessment 12: Final oral examination and x-rays examination.

Weighting of assessments

	Degree
Mid term Assessment	180
Final written examination	450
Final clinical exam	210
Final Oral examinations	60 (40 internal medicine, 10 dermatology and 10 clinical pathology)
Total	900

8- List of references

1- Course notes:

Department of internal medicine lectures notes; Cardiology, Chest diseases, Dermatology, Tropical, Neurology & Psychiatry.

2- department books (Tropical, Neurology & Psychiatry, Chest diseases, Dermatology)

2- Essential books:

Hutchinson's Clinical Medicine, Davidson's Principles and Practice of Medicine (2010)

3- Recommended books:

Clinical examination, Macleod, Munro, A guide to physical examination, Barbara Bates (2010)

4- Periodicals and Web sites of Internal Medicine

Course coordinator:

Prof. Dr. Howaida Nafady Prof. Dr. Salwa S. El-Gendi Prof. Dr. Hala El Shereef
Dr. Hanan Mahmoud. Prof. Dr. Nabila Fauek

Head of Department: **Prof. Dr. Lobna F. El-Toony.**

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