Quality Assurance Unit

Tanta University

Faculty of Medicine

Department of Internal medicine

Course specifications

Internal medicine for Chest Master degree

2021-2022

Internal medicine for Chest Master degree Course specifications

University: Tanta **Faculty: Medicine** **Department: Internal medicine**

A- Administrative Information

1-Course title: Internal medicine for Chest Master degree

2-Department offering the program: chest

3-Department responsible for the course: Internal medicine and chest

4- Course coordinator: Prof.Dr/ Hegazy Mohamed Hegazy

5- Course internal evaluators: Prof.Dr/Mervat El khateeb

6-Course external evaluators: Prof.Dr/Mohamed Hamdy El assy (Prof. of internal medicine, Zagazig university)

7-Course code: CHEST 8005

8- Level: 1 st part

9- No. of Credit / taught hours:

Lectures: 3 (45 hours) Practical& Others: 2(60 hours) Total: 5 (105 hours)

10-Authorization date of course specification: 21-8-2019

B- Professional Information

1–Overall Course aims

Our course aim to offer advanced knowledge and skills that allow candidate to practice internal medicine ethically and professionally, and gain positive attitude towards continuous medical education

2–Intended learning outcomes (ILOs):

A-knowledge and understanding:

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

a.1- Describe the basic theories and principles of internal medicine specialty which help in understanding chest diseases.

B-Intellectual skills

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

b.1- Analyze, and Prioritize the medical problems

b.2-Solve common medical problems related to internal medicine specialty.

C-Professional &practical skills

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

c.1-Apply professional medical skills in internal medicine specialty regarding clinical examination, diagnosis, and management

d-General transferable skills

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

d.1- Apply self evaluation and specify his medical educational needs.

d.2-Use different learning resources to get knowledge and information.

d.3- Mange time and practice team working

d.4-lead a team in specified professional job.

d.5- Perform continuous medical education

3-Course contents

Topics	No. of hours	
	Lecture	Clinical
Systemic and pulmonary hypertension	3	5
Rhumatic heart diseases	3	5
Ischemic heart diseases	3	5
Congenital heart diseases	3	5
Pericardial effusion and constrictive pericarditis	3	5
ECG, Echocardiography and exercise testing	3	5
Intervsional cardiac procedures	3	5
Diabetes and diabetic coma	5	5
Thyrotoxicosis, hypothyroidism and other hormonal disturbances with special reference to chest diseases	5	5
Renal failure	5	5
Liver cell failure	5	5

Collagen diseases	**4**	**5**

A-Topics

I-Cardiovascular disorders

1. **ECHOCARDIOGRAPHY, ELECTROCARDIOGRAPHY AND ETT.**
2. **HEART FAILURE**
3. **ARTERIAL HYPERTENSION**
4. **PULMONARY HYPERTENSION & COR PULMONALE**
5. **CONGENITAL HEART DISEASE IN ADULTS**
6. **IHD**
7. **PERICARDIAL DISEASE**
8. **RHEUMATIC FEVER**
9. **INTERVENTIONAL CARDIAC PROCEDURES**

II-GIT& hepatology disorders

1. **HEPATIC FAILURE**
2. **LIVER IN SYSTEMIC DISEASES**

III-Hematology & oncology disorders

1. **APPROACH TO THE ANEMIAS**
2. **APPROACH TO THE PATIENT WITH LYMPHADENOPATHY AND SPLENOMEGALY**
3. **EOSINOPHILIC SYNDROMES**
4. **APPROACH TO THE PATIENT WITH BLEEDING AND THROMBOSIS**
5. **TRANSFUSION MEDICINE**
6. **LEUKEMIAS & LYMPHOMA**

IV-Nephrology disorders

1. **ACUTE AND CHRONIC RENAL FAILURE**
2. **KIDNEY & HEART , LIVER & LUNG RELATIONSHIP**

V-Rheumatology disorders

1. **APPROACH TO THE PATIENT WITH RHEUMATIC DISEASE**
2. **LABORATORY TESTING IN THE RHEUMATIC DISEASES**
3. **RHEUMATOID ARTHRITIS**

4. **THE SPONDYLOARTHROPATHIES**
5. **SYSTEMIC LUPUS ERYTHEMATOSUS**
6. **SCLERODERMA (SYSTEMIC SCLEROSIS)**
7. **THE SYSTEMIC VASCULITIDES**

VI-Endocrinology , nutritional , Mineral & metabolic disorders

a-Endocrinology disorders

1. **THYROID DISORDERS**
2. **HYPOCORTISOLISM**
3. **DIABETES MELLITUS**
4. **MULTIPLE-ORGAN SYNDROMES: CARCINOID SYNDROME**

b- Nutritional disorders

1. **OBESITY**

d- metabolic disorders

1. **IRON OVERLOAD (HEMOCHROMATOSIS)**

B- CLINICAL CASES

I-CARDIOVASCULAR

1. **IHD**
2. **Congestive heart failure**
3. **Hypertension**
4. **Rheumati Cheart disease**

IV-GIT& Hepatology disorders

1. **Cirrhosis**
2. **Ascitis**
3. **G.I. bleeding**

V-HEMATOLOGY/ONCOLOGY

1. **Anemia**
2. **Bleeding disorders**
3. **Lymphoma**
4. **Leukemia**

VI-NEPHROLOGY

1. **Kidney in systemic diseases**
2. **Acute and chronic renal failure**

VII-RHEUMATOLOGY

1. **Systemic lupus erythematosus**
2. **Rheumatoid arthritis**
3. **Vasculitis**
4. **Scleroderma**

VIII-ENDOCRINOLOGY

1. **Adrenal insufficiency**
2. **Diabetes**
3. **Hyper/hypothyroidism**
4. **Obesity**

C- SKILLS

1. **Interpretation of laboratory medicine tests.**
2. **Electrocardiography interpretation.**
3. **Radiology: Plain X-ray, contrast radiology, ultrasound, CT, MRI & nuclear medicine**
4. **Renal dialysis & Ultrafiltration**
5. **paracentesis**
6. **ICU skills**

4-Teaching and learning methods:hybride

1. **Illustrated lectures(online): Large group plenary sessions in lecture theaters are time tabled; they set the scene for a topic, highlight important issues and arouse curiosity in relevant areas.**
2. **Clinical rounds(attendance): Tutors demonstrate the core practical clinical skills and students practice.**
3. **Problem based learning: to study written descriptions of clinical situations & Interpretation of laboratory medicine tests.**
5. **Assignment : Each student completes a review on a selected topic and delivered in a known dead time.**
6. **Attendance with guidance.**

7. Illustration of internal medicine objectives using data show and movies.

5-Student Assessment : may be electronic but inside the faculity(face to face)

5.1 Final written exam to assess (a1& b1,)

5.2 Oral exam to assess (a1 - b1)

5.3 Practical exam to assess (a1- b1& c 1)

5.4 Log book to assess (b1 -c 1 - d 1, 2, 3, 4, 5)

Assessment schedule

Assessment	notes	Date
1 Final written exam	One paper(assay and short notes)	October 2017
2 Oral exam	one session, one examiner	October 2017
3 Practical exam	One clinical case, one examiner	October 2017

6- Weighing of assessments

Final examination	60 MARKS
Oral examination	20 MARKS
Practical examination	20 MARKS
Total	100 MARKS

List any formative only assessment: Log book (for fulfillment to present for exam)

7-List of references

7.1 Course notes

-Handout of lectures.

-National books approved by the internal medicine council

7.2 Text books

-Cecil textbook of medicine

7.3 Recommended books

-Davidson's principles and practice of medicine

-Clinical medicine Kummar & Clark

-1000 MCQs for Davidson's principles and practice of medicine

-MCQs for clinical medicine Kummar and Clark

-Hutchison's clinical methods

-Clinical examination, Macleod, Munro

-A guide to physical examination, Barbara Bates

7.4 Periodicals and web sites

E-medicine &pubmed websites

7.5 The Egyptian Authority for Quality Assurance and Accreditation for Education (NAQAAE)

8-Other resources/ facilities required for teaching and learning to achieve the above ILOs

- **Rooms for small group teaching.**
- **Black and white board.**
- **Audiovisual aid (data shows, overhead, laptops and slide projectors).**
- **Faculty library.**
- **Electronic library**

9-we certify that all of the information required to deliver this course is contained in the above specifications and will be implemented

We verify that the above Course and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department
name……..signature……..Date…….

Head of quality assurance unit:
name……..signature……..Date…….