COURSE SPECIFICATION

Internal Medicine

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Program offering the course:	**Postgraduate master degree of Anesthesia and Surgical Intensive Care**
(2) Department offering the program:	**Anesthesia and Surgical Intensive Care department**
(3) Final award / degree	**MSc**
(4) Department responsible for teaching the course:	**Internal Medicine Department.**
(5) Part of the program:	First part
(6) Date of approval by the Department`s council	20-4-2016
(7) Date of last approval of program specification by Faculty council	9-8-2016
(8) Course title:	**Internal Medicine**
(9) Course code:	**ANET 510**
(10) Credit hours	**One hour**
(11) Total teaching hours:	7 hours lecture/15 hours clinical

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

- To educate students about assessment and management of complications occur during their practice of anesthesia or ICU.
- To provide the students with updated in management of serious events like acute coronary syndrome.

(2) Intended Learning Outcomes (ILOs):

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

A1	Define, etiology, clinical picture, treatment of (hypothermia & hyperthermia)
A2	Identifies classfication, clinical picture, complications, diagnosis & treatment of hypertension.
A3	List hypertensive emergencies.
A4	Recognizes approach for management of (tachyarrhythmia & bradyarrhythmia)
A5	Identifies classification, pathophysiology, clinical picture, investigation & treatment of heart failure.
A6	Classify acute coronary syndrome & its diagnosis & management.
A7	Define shock & syncope & its management.
A8	Explain criteria, pathogenesis, clinical picture, investigation & management of ARDS.

A9	Identifies causes, investigation &management of aspiration pneumonitis.
A10	Define causes, clinical picture, investigation & management of pulmonary embolism.
A11	Describe causes, differential diagnosis & treatment of (upper & lower GIT bleeding)
A12	Describe clinical picture, investigation & treatment of (acute, chronic & fulminant hepatitis)
A13	Define hepatorenal syndrome & its etiology , investigation & treatment.
A14	Recognize etiology, clinical picture, investigation & treatment of liver cell failure.
A15	Define, phases, pathophyiology, clinical picture & treatment of (acute renal failure & chronic renal failure).
A16	Classify acid base disturbance.
A17	Define, diagnosis, complication & treatment of (diabetis melitis, thyrotoxicosis, myxedema)
A18	List endocrine emergencies
A19	Descirbe approach for diagnosis of anaemia

B- Intellectual skills

B1	Integrate the results of preoperative preparation from history, physical and laboratory test findings into an appropriate intraoperative anesthetic plane.
B2	Interprets approach for solving critical clinical problems under anesthesia.
B3	Construct appropriate management strategies for patients with common diseases, both acute and chronic of all body system.
B4	Integrate statistical results of clinical examination from history, physical and laboratory test findings into an appropriate management under anesthesia.

C-Professional/practical skills

C1	Perform full physical examination of patients with acute and chronic clinical conditions appropriate to the age, gender, acute and chronic clinical conditions and record patients ' data appropriately for anesthetic fitness.
C2	Provide first aid measures for injured and critically ill patients in emergencies.
C3	Formulate management plans for common diseases and acute emergencies in ICU.

D- Communication & Transferable skills

D1	Manage of complications according to scientific base.
D2	Work effectively within team to solve problems related to patients.

(3) Course content:

Subjects	Lectures
1-General : • **Hypo and hyperthermia**	1
2- Cardiovascular: • **HTN and heart failure** • **Arrhythmias** • **Acute coronary syndrome and antithrombotic drugs** • **Shock & syncope**	1
3-Chest : • **Asthma** • **pulmonary embolism**	1

• **ARDS** • **Aspiration pneumonia** • **Pulmonary edema** • **respiratory failure**	
4-GIT : • **upper & lower GIT bleeding** • **Acute and chronic hepatitis Cirrhosis** • **Hepato-renal syndrome** • **Liver cell failure**	1
5-Nephrology : • **Acute renal failure** • **Chronic renal failure** • **Acid base disturbance** • **Drugs and kidney**	1
6-Endocrine : • **DM and its complications** • **Thyrotoxicosis & myxedema** • **Endocrinal emergencies**	1
7- Blood : • **Anemia**	1
Total teaching hours	7

Practical:

Subjects	Clinical
History taking	2
Complain	2
Present hx	1
Past hx	1
Family hx	1
General examination	2
Head and neck examination	1
chest and heart examination	2
Abdominal examination	2

Upper and lower limb examination	1
Total teaching hours	15

(4) Teaching methods:

4.1: Lecture

4.2: Practical class

4.3: Small group discussion with case study and problem solving

(5) Assessment methods:

5.1: Written exam for 3hours in internal medicine after 6 months of date of registration for graduate studies for MSc.

5.2: MCQ exam

5.3: Structured oral examination.

5.4: OSCE.

Written exam: 144 Marks
MCQ exam: 36 Marks
Structured oral exam: 60 Marks
OSCE: 60 Marks

(6) References of the course:

6.1: Miller's anesthesia

6.2: Clinical anesthesiology 4th ed

6.3: Anesthesia & co-existing diseases

(7) Facilities and resources mandatory for course completion:

Lecture halls, clinical rounds and data show.

Course coordinator: Dr. Maged Talaat Salama

Head of the department: Prof.Dr. Mona Abdelglil Hashish

Date: 20/4/2016