

**Template
for Cardiovascular Medicine
Course Specifications**

Faculty : of Medicine Mansoura university
Department : Cardiovascular Medicine Department.

Course Specifications

Programme(s) on which the course is given : M.B.B.ch Program.
Department offering the course : Cardiovascular Medicine Department.
Academic year / level : 5th year medical, Clinical level.
Date of specification approval : 8/ 6 /2016

A- Basic information

Title:	Cardiovascular Medicine	Code:	CARD1
Lecture:	18	Tutorial:	Practical 45
		Total:	63 (hour/week)

B- Professional Information

1 - Overall Aims of Course

To prepare practicing graduate who has the skills and knowledge to diagnose and manage stable cardiovascular diseases states as well as acute states.

2 – Intended Learning Outcomes of Course (ILOs)

A- Knowledge and Understanding

By the end of this course the Student will be able to :

- A1- Identify causes of different cardiovascular diseases.
- A2- Describe Pathogenesis of different cardiovascular diseases.
- A3- Explain symptoms of different cardiovascular diseases.
- A4- Discuss clinical presentation of different cardiovascular diseases.
- A5- List investigations for diagnosis of cardiovascular diseases (Non-Invasive and Invasive)
- A6- Summarize Diagnostic Approach of different cardiovascular diseases.
- A7- List therapeutic approach of different cardiovascular diseases.
- A8- Outline Preventive Approach of different cardiovascular diseases.

B- Intellectual Skills

By the end of this course the Student will be able to :

- B1- Choose the suitable diagnostic techniques concerning the various cardiovascular diseases
- B2- Interpret the clinical and Report of diagnostic procedures to reach the proper diagnosis .

B3 Choose the suitable Therapeutic modalities for a specific cardiovascular disease

C-Professional and Practical Skills

By the end of this course the Student will be able to:

- C1- Take and Record cardiac history
- C2- Perform general cardiac examination (pulse , Blood Pressure , Neck veins, hand , Lower Limb)
- C3- Perform Local cardiac examination
- C4- Perform cardiac auscultation
- C5- Diagnose of a common cardiovascular diseases.
- C6- Interpret simple cardiac investigations .
- C7- Perform first aids in cardio-vascular emergencies .

D-General and Transferable Skills

By the end of this course the Student will be able to :

- D1- Adopt principles of the lifelong learning needs of the medical profession
- D2- Present information clearly in written, electronic and oral forms.
- D3-** Communicate ideas and arguments effectively
- D4-** Work effectively within a team.
- D5-** Discuss freely about learned medical problems.

3 – Contents

Topic	No. of hours	Lecture	Tutorial/Practical
Introduction to cardiovascular diseases (CVD)	1		1
Symptoms of CVD	2		2
General Examinations (General & other Systemic Items related to CVD)	1		1
Local Cardiac Examination.	2		2
Cardiac Auscultations an Heart Sounds	1		1
Cardiac Murmurs (Genesis and Clinical Approach)	3		3
Investigation for Cardiovascular Diagnosis	2		2
Congenital Heart Diseases in Adults	24	1	1
Rheumatic Fever	4	1	3
Valvular Heart Diseases (Stenotic and Regurgitate Lesions of all Cardiac Valves)(MV,TV,AV,PV)	11	2	6
Infective Endocarditis	4	1	3
Pericardial Diseases	4	1	2
Ischemic Heart Diseases	5	2	3
Systemic Hypertension.	5	2	3
Pulmonary Hypertension (Cor - pulmonal ,Pulmonary Embolism)	4	1	2
Myocarditis, Cardiomyopathy & specific heart muscle Diseases	4	1	2
Cardiac Arrhythmias & Conduction Defects	5	2	2
Congestive Heart Failure	4	1	3
Acute Circulatory Failure (Shock , Syncope and Hypertensive States)	3	2	1
Diseases of Aorta & Great Vessels	2	1	1
Peripheral Vascular Diseases	1		1
Total	63	18	45

4 – Teaching and Learning Methods

4.1- Lectures and demonstrations.

4.2- Clinical Rounds.

4.3- Clinical Bed side.

4.4- Skill Lab

5 – Student Assessment Methods

5.1 -	Log Book		
5.2 -	Written Exam	to assess	Understanding, knowledge and intellectual skills.
5.3 -	Oral Exam	to assess	Understandings, professional skills as well as the attitude of student.
5.4 -	MCQ	to assess	Understanding , knowledge, professional and intellectual skills
5.5 -	OSCE	to assess	Knowledge, professional and practical skills

Assessment Schedule

Assessment 1	During Practical	<i>Week 3</i>	<i>At the end of the 3 weeks of clinical Round for each student sub-groups</i>
Assessment 2	Final Year Exam	<i>week</i>	For all students
Assessment 3		<i>week</i>	
Assessment 4		<i>week</i>	
Assessment 5		<i>week</i>	

Assessment 1: At End of Practical Round -----

Assessment 2: Final Year Exam.-----For All Students

(With other branches of General Medicine Courses)

Weighting of Assessments

Mid-Term Examination	OSCE	15 degrees
Final-Term Written Examination	<i>In Collaboration with General Medicine Department</i>	35 degrees
Final-Term (Instrument, Oral Examination)	<i>In Collaboration with General Medicine Department (during station of instruments exam)</i>	undetermined
Final-Term Practical Examination	<i>In Collaboration with General Medicine Department (clinical Cardiac station for each student)</i>	30 degrees

Final-Term MCQs Examination	<i>In Collaboration with General Medicine Department(10-20 MCQs)</i>	15 degrees
Semester work		
Other types of assessment		
Total		

End of Practical Round (Practical and short questions) (15 degrees)

Final Written Examination: (In Collaboration with General Medicine Department. Questions will be Provided by Head of CV-Department to be included within other general medicine questions in the Second Paper of Final General Medicine Exam).

Final MCQs Examination: (In Collaboration with General Medicine Department. About 10-20 MCQ Questions will be Provided by Head of CV-Department to be included within the Final MCQ General Medicine Exam).

Final Practical and Oral Exam (In Collaboration with General Medicine Department. Every student will allowed to examined a patient with any cardio-vascular abnormality, and will be evaluated by one stuff member offering this course)

6 – List of References

6.1- Course Notes

6.2- Essential Books (Text Books) Chapter of Cardio-Vascular Diseases In Davidson's Text Book of Medicine

6.3- Recommended Books Harrison's Manual

6.4- Periodicals, Web Sites, ...etc - Cardio Source
-Med escape

7 – Facilities Required for Teaching and Learning

1-Teaching Places Provided with Data-show .

2-Computer with its accessories (printers , CD writer , Scanner)

3- Specific Teaching Rooms Provided patient examination tables for Clinical Rounds.

4-Clinical Words for Bed-Side physical signs demonstrations.

Course Coordinator : *Prof. Dr Ahmed Wafa*

Dr. Moheb Magdy

Head of Department : *Prof.Dr AbdelRazek Maaty*

External Evaluator : *Prof. Dr Medhat Mohammad Ashmawy*

Intended Learning Outcomes and teaching/assessment method :

Intended Outcome	Teaching Methods	Assessment method
Knowledge and understanding	Lectures journal club Seminars Group meeting	Written exam (short essay question) Oral examination
Intellectual skills	Grand round Group meeting Training course	VIVA examination (Graph , photo video interpretations) Commentary Exam.
Professional/practical skills	Hand on training Case presentations Practical course	Clinical examination (1Long case &2 short cases) Laboratory Examination (Echo, Stress Exercise Stress)
Transferable skills	Outpatient clinic Cardiac emergencies Intensive Cardiac care (all under supervision)	-Clinical examination. -Observation: (during Seminars, presentations during meeting and Log book documentations) -MD Thesis.