



National Center for Quality Assurance and Accreditation of Educational and Training Institutions

Academic requirements for the academic program

General information

Educational Institution	University of Derna
College	Faculty Of Medicine
Department/Division Offering the Program	Internal Medicine
Name of the Educational Program	Master Of Internal Medicine
Academic Hours Required to Complete the Program	2120 hours
Academic Degree Awarded Upon Completion	Master Of Internal Medicine
Academic Departments Relevant to the Program	None
Language Used in the Educational Process	English
Program Coordinator	Associate professor: jamal alhssadi
External References for the Program	University of Benghazi
Date of Granting the Program's License to Practice	-
The authority that granted the license to practice	-
The actual start date of the study in the program	2023

1- Program objectives

1. Acquire the competence pertaining to medicine that is required to be practised in the community and at all levels of health care system
2. Acquire the skills to manage the patients effectively.
3. Acquire skill in effectively communicating with patient and his attendants.
4. Aware of the latest developments in the field of medicine.
6. Acquire skills in educating medical and paramedical professionals.
7. To provide trainees with essential knowledge, skills and attitudes to competently practice internal medicine in ambulatory and hospital setting.
8. To provide the trainees with the basics of research methodology.

2- Targets

- 1) Show awareness of his role in community development and environmental conservation in the light of the global and regional variables.
- 2) Apply the basics and fundamentals of scientific research effectively and using its different tools.
- 3) Perform an appropriate scale of skills necessary for diagnosis and management of patients effectively, and use the appropriate technological means to serve the professional practice.
- 4) Interpret the ongoing problems and the modern visions in the field of internal medicine.
- 5) Develop him academically and professionally with maintenance of learning abilities necessary for continuous medical education.
- 6) Apply recent scientific knowledge essential for the mastery of practice of internal medicine according to the international standards and its integration with the related sciences in the professional practice.
- 7) Identify Internal Medicine problems and find out solutions.

3-Comparing what is presented with external references ☐

The number of hours of University of Benghazi is less than hours of master program in university of Derna

4- Admission System□

1. Applicants should have MBCHB or equivalent degree of general grade good in medicine subject.
2. The applicants should have spent at least one year after graduation.
3. The applicants should be working or delegated to work at the teaching hospital in Derna.
4. This is a full-time program and applicant should assure fulfilling this requirement.
5. In addition to above requirements, student should pass an entry examination and personal interview.

5- Targeted learning outcomes□

All intended learning outcomes should be written in accordance with the program objectives, and each intended learning outcome should be given a number or code for easy reference.

A- Knowledge and understanding:

1	Have awareness of his role in community development and environmental conservation in the light of the global and regional variables.
2	Explain the basics and fundamentals of scientific research effectively and using its different tools.
3	Explain an appropriate scale of skills necessary for diagnosis and management of patients effectively, and use the appropriate technological means to serve the professional practice.
4	Identify the ongoing problems and the modern visions in the field of internal medicine.
5	Develop him academically and professionally with maintenance of learning abilities necessary for continuous medical education.
6	Explain recent scientific knowledge essential for the mastery of practice of internal medicine according to the international standards and its integration with the related sciences in the professional practice.
7	Identify Internal Medicine problems and find out solutions.

B - Mental skills: ☐

☐

1	Formulate problem lists, differential diagnosis and plans of management for patients and maintain medical records that are concise, accurate and informative.
2	Evaluate and manage patients with acute and chronic medical condition.
3	Analyze and interpret the results of commonly used laboratory and radiological diagnostic procedures.
4	Formulate a good research question and develop a proper research hypothesis
5	Choose the proper research design to answer the asked research question

C. Practical and professional skills:

1	Obtain an appropriate history in the outpatient, inpatient or emergency setting.
2	Master basic diagnostic and therapeutic clinical procedures that they may need to perform on patients during their daily work.
3	Figure out when to ask for help and advice from senior residents and teaching staff.
4	Conduct a literature search to find appropriate research evidence.
5	Utilize software package for statistical analysis of the collected data.

D. General skills:

1	Develop a willingness and ability to learn
2	Utilize information resources to support patient care decisions
3	Demonstrate effective negotiation skills with: angry/ frustrated patients or families, family members in disagreement on appropriate care
4	Prepare and present cases well on rounds and in teaching sessions.
5	Communicate effectively with patients, their families and other medical staff

6- Components (contents) of the program

Number of weekly hours:

Lectures	6h/w	Tutorials	2h/w	Bedside Teaching	8h/w
Clinical Meeting	2h/w	Journal Club	2h/w		
Case Presentation	2h/w	Total in average	22h/70w		

□

7- Program requirements

1- General courses

Targeted learning outcomes to be covered (code)	Priorities	Number of hours/week for 17 weeks			units	Course name	Course code
		Training	Lab	Lectures			
	-	-	-	2	-	Research methodology 1	GIM-MS-RM1
	-	-	-	2	-	Research methodology 2	GIM-MS-RM2
				2	-	Biomedical statistics	GIM-MS-BS
				6		Total	

2- Basic courses

Targeted learning outcomes to be covered (code)	Priorities	Number of hours/week for 17 weeks			units	Course name	Course code
		Training	Lab	Lectures			
				2	-	Histology	GIM-MS-HIS
				2	-	Physiology1	GIM-MS-PHY1
				2	-	Physiology2	GIM-MS-PHY2
				2	-	Biochemistry	GIM-MS-BIO
				2	-	Pathology	GIM-MS-PAT
				2	-	Microbiology	GIM-MS-MIC
				2	-	Pharmacology	GIM-MS-PHA
				14		Total	

3- Specialized courses □

Targeted learning outcomes to be covered (code)	Priorities	Total number of hours	units	Course name	Course code
		1540	-	Internal medicine 1,2	GIM-MS-IM1, 2

4- Residency training program ☐

<i>Targeted learning outcomes to be covered (code)</i>	<i>Number of months</i>	<i>units</i>	<i>Course name</i>	<i>Course code</i>
	2		General medicine	GIM-MS-T
	2		Cardiovascular medicine	CVS-MS-T
	1		Intensive care	IC-MS-T
	1		Respiratory medicine	RS-MS-T
	2		gastroenterology	GE-MS-T
	1		Neurology	NEU-MS-T
	2		Endocrinology and metabolism	EN&M-MS-T
	1		Nephrology	NEPH-MS-T
	2		Hematology and oncology	H&O-MS-T
	1		Infectious disease	ID-MS-T
	2		Rheumatology and collagen disease	RHEU-MS-T
	18		Total	

5- Procedures ☐

<i>Targeted learning outcomes to be covered (code)</i>	<i>Minimum No. of cases</i>	<i>Procedure</i>	<i>Procedure code</i>
<i>Outcome codes are listed</i>	10	Nasogastric tube insertion	IMP-MS-1
	10	Perform arterial puncture, and insertion of percutaneous arterial catheter	IMP-MS-2
	10	Paracentesis	IMP-MS-3
	5	Central venous line placement	IMP-MS-4
	5	Pleurocentesis	IMP-MS-5
	5	Internal jugular puncture	IMP-MS-6
	5	Bone marrow aspiration and biopsy	IMP-MS-7
	3	Arthrocentesis	IMP-MS-8
	5	Endotracheal intubation	IMP-MS-9
	5	Lumbar puncture	IMP-MS-10
	63	Total	

8-Methods of teaching and learning

1. lectures
2. Tutorials
3. Bedside teaching
4. Case presentation
5. Journal club
6. Clinical meeting
7. Ward and emergency department duties

9- Evaluation methods

Evaluation Method	Year/Semester
Part 1 MCQs exam (100 marks)	Part 1(at the end of 1 st year)
Part 2 MCQs exam (100 marks)	Part 2 (at the end of 3 rd year)
Part 2 clinical exam (100 marks) ○ One long case (40) ○ Two short case (20 each) Viva (20)	Part 2 (at the end of 3 rd year)
Thesis presentation	Master thesis

10-Program Evaluation

Ratio/number	Method	Evaluation Participants
	Questionnaire	Labor Market
	Questionnaire	Final-Year Students
	Exam Passing	Graduates
	Course Reports	Faculty Members
	Opinion Survey and Follow-up	External Evaluators
		Other Entities

11- Evaluation classification ☐

Percentage	The term
< 65 %	Fail
65 %	Pass
65 % to less than 75%	Good
75 % to less than 85%	Very good
85 %- 100 %	Excellent

12- Requirements for continuing studies in the program

Evaluation Method	Year
• MCQs exam (100 marks)	PART 1 (at the end of 1 ST year) Get 65%
• MCQs exam (100 marks) • Part 2 clinical exam (100 marks) ○ One long case (40) ○ Two short case (20 each) ○ Viva (20)	PART 2 (2 nd and 3 rd year) at the end of 3 rd year. Get 65%
• Thesis	Pass / no pass

13 - Education and learning resources and capabilities

1. Lectures
2. Clinical training in hospital
3. Books:
 - Harrison's Principles of Internal Medicine, 20e(2022)
 - Davidson's Principles and Practice of Medicine 24 edition 2021
 - Kumar and Clark's Clinical Medicine (Kumar, Kumar and Clark's Clinical Medicine) 10 th Edition 2020
 - Goldman-Cecil Medicine, 2-Volume Set (Cecil Textbook of Medicine) 26th Edition 2019
4. Updated research publication

14- Information that must be available

A list of faculty members, indicating their academic degree and specialization. ☐

Name	Academic degree	specialization	Assigned tasks
Jamal Abdel Hamid Al-Hasadi	Assistant professor	Medicine	Program Coordinator
Abdul Munsif Musa Al-Awkali	Associate Professor	Medicine	Faculty Member
Ahmed Balha	Assistant professor	Medicine	Faculty Member

- ❖ CVs of all program professors.
- ❖ Program schedule with the names of teaching professors and technicians.
- ❖ A list of research papers published by faculty members during the last two academic years.
- ❖ A list of consulting work carried out by faculty members, including the name of the person carrying out the consulting work.
- ❖ A list of the names of the staff assisting in implementing the educational process, including lecturers, teaching assistants, technicians, and administrators related to the educational program, with an explanation of the type of service provided by each of them and their number.
- ❖ CV of the staff assisting in implementing the educational process

15- Library

- The institution must specify the library or libraries at its disposal.
- The working days and hours of these libraries.
- Determine the loan requirements for books, references, and periodicals.
- Number of scientific periodicals in various specializations.
- Availability of electronic references and periodicals.
- Providing library regulations and lending systems for faculty members and non-student staff.
- Student services include providing academic material for lectures and laboratory lessons, whether electronic or otherwise.
- Number of computers available in the library for student and faculty use.
- References for all courses taught in the program.

16- Laboratories and laboratories

The institution must provide:

- The appropriate number of laboratories needed to implement the program.
- Operating and experimental materials.
- Supporting facilities, such as storage facilities, experiment preparation labs, etc.
- Educational equipment and materials appropriate to the program.

17-Appendices

The institution must attach a description of all coursework for the program as an appendix.

Program Coordinator: Dr. Jamal Abdul Hamid Al-Hasadi

Signature

Date/...../.....

Matrix of educational program objectives and targeted learning outcomes for the educational program

[illegible]

Curriculum matrix and intended learning outcomes for the educational program

Skills															Knowledge and understanding					Course code
General and transferable skills					Scientific and professional skills					Mental skills										
5.ا	4.ا	3.ا	2.ا	1.ا	5.ج	4.ج	3.ج	2.ج	1.ج	5.پ	4.پ	3.پ	2.پ	1.پ	5.ی	4.ی	3.ی	2.ی	1.ی	
					√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	GIM-MS-IM1
					√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	GIM-MS-IM2
	√			√																GIM-MS-EG
√		√																		GIM-MS-RM
			√																	GIM-MS-CS

Note:

- 1- The number of weeks per semester is sixteen, including two weeks for exams.
- 2- The number of weeks per academic year is thirty, including two weeks for exams.