



كلية الطب
وحدة ضمان الجودة



Faculty of Medicine
Quality Assurance Unit

Master (MSC) Degree Program and Courses Specifications for
Dermatology

(According to currently applied Credit point bylaws)

**Department of Dermatology,
Venereology and Andrology
Faculty of medicine
Assiut University
2022-2023**

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Master degree of Dermatology

A. Basic Information

- + **Program Title:** Master degree of Dermatology .
- + **Nature of the program:** Single.
- + **Responsible Department:** Department of Dermatology , Venereology & Andrology - Faculty of Medicine- Assiut University
- + **Program Academic Director (Head of the Department):**
Prof. Dr. Eman Riad Mohamed
Coordinator (s):
 - Principle coordinator: Prof. Dr. Nagwa Essa Abd Elazim
 - Assistant coordinator (s) Prof. Dr. Eman Riad Mohamed
Prof. Dr. Dalia Abdel-Aziz Ahmed
Prof. Dr. Sahar Abdel-Moez Ahmed
Prof. Dr. Emad Abdelraheem Taha
Dr. Ayman Mohamed Mahran
Dr. Hisham Diab Gaber
Dr. Marwa Mohammad Abdel-Hakeem
- + **Internal evaluators:** Prof Dr Ensaf Mohamed Abdel-magid& Prof.Hatem Zydan
- + **External evaluator:** Prof Dr Essameldin Abdelaziz Nada- Sohag University
- + **Date of Approval by the Faculty of Medicine Council of Assiut University:** 21-4-2019
- + **Date of most recent approval of program specification by the Faculty of Medicine Council of Assiut University:**27-11-2022
- + **Total number of courses:** 7 courses.
- + **First part:** 5 courses.
- + **Second part:** 1 course.
- + **Elective course:**1 course

B. Professional Information

1- Program aims

1/1 To enable the candidates to keep with the international standards of patient care in common field problems by achieving high levels of:

- + a- Clinical skills.
- + b- Patient care skills.
- + c- Simple surgical maneuvers such as; skin biopsy.

1/2 To introduce the candidates to the basics of scientific research.

1/3 Enable them to start professional careers as specialists in Egypt.

1/4 Make them recognized as specialists abroad.

1/5 Enable them to pursue higher studies and degrees.

1/6 Enable them to understand and to get the best of published scientific research and to do their own research.

2-Intended learning outcomes (ILOs) *for the whole program:*

2/1 Knowledge and understanding:

A- Explain essential facts and principles of the following basic sciences which are appropriate to Dermatology including Pathology , Physiology, Microbiology, Mycology and immunology related to Dermatology.

B- Mention essential facts and principles of clinically supportive science including Basics of Internal Medicine, Basics of plastic surgery and Psychiatry which are appropriate to the following areas of Dermatology.

C-Demonstrate sufficient knowledge of etiology, clinical picture, diagnosis , prevention and treatment for diseases or situations related to Dermatology.

D- Give the recent and update developments in the pathogenesis, diagnosis, prevention and treatment of common diseases related to Dermatology.

E- Mention the basic ethical and medico legal principles relevant to Dermatology.

F- Mention the basics of quality assurance to ensure good clinical care in the field of Dermatology.

- G- Mention the ethical and scientific principles of medical research.
- H- State the impact of common health problems in the field of Dermatology on the society and how good clinical practice improves these problems.

2/2 Intellectual outcomes

- A. Correlate the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases of the Dermatology.
- B. Demonstrate an investigatory and analytic thinking approach (problem solving) to common clinical situations related to Dermatology.
- C. Design and present a case or review (through seminars/journal clubs) in one or more of common clinical problems relevant to Dermatology.
- D. Formulate management plans and alternative decisions in different situations in the field of the Dermatology.

2/3 Skills

2/3/1 Professional (practical and clinical) skills (Patient Care)

- A. Obtain proper history and examine patients in caring and respectful behaviors.
- B. Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment for common conditions related to Dermatology
- C. Carry out patient management plans for common conditions related to Dermatology.
- D. Use information technology to support patient care decisions and patient education in common clinical situations related to Dermatology.
- E. Perform competently non invasive and invasive procedures considered essential for the Dermatology.
- F. Provide health care services aimed at preventing health problems related to Dermatology.
- G. Provide patient-focused care in common conditions related to Dermatology while working with health care professionals, including those from other disciplines.
- H. Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets (Write a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and maintaining medical records)

2/3/2 General (transferable) skills

Including:

- Practice-based Learning and Improvement
- Interpersonal and Communication Skills
- Professionalism
- Systems-based Practice

Practice-Based Learning and Improvement

- A. Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).
- B. Appraises evidence from scientific studies.
- C. Conduct epidemiological Studies and surveys.
- D. Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.
- E. Facilitate learning of students and other health care professionals including their evaluation and assessment.

Interpersonal and Communication Skills

- F. Maintain therapeutic and ethically sound relationship with patients.
- G. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.
- H. Provide information using effective nonverbal, explanatory, questioning, and writing skills.
- I. Work effectively with others as a member of a health care team or other professional group.

Professionalism

- J. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society
- K. Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices
- L. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities

Systems-Based Practice

- M. Work effectively in relevant health care delivery settings and systems including good administrative and time management.
- N. Practice cost-effective health care and resource allocation that does not compromise quality of care.
- O. Assist patients in dealing with system complexities.

3- Program Academic Reference Standards (ARS) (Annex 2)

Academic standards for master degree in Dermatology

Assiut Faculty of Medicine developed master degree programs' academic standards for different clinical specialties.

In preparing these standards, the General Academic Reference Standards for post graduate programs (GARS) were adopted. These standards set out the graduate attributes and academic characteristics that are expected to be achieved by the end of the program.

These standards were approved by the Faculty Council on 17-6- 2009. These standards were revised and approved without changes by the Faculty Council on 23-9-2014. These standards were recently revised and reapproved without changes by the Faculty Council on 27-11-2022.

4- Program External References(Benchmarks)

1. ACGME (Accreditation Council for Graduate Medical education).
2. University of Michigan Health System , Dermatology and Dermatopathology fellowships program
(<http://www.med.umich.edu/derm/education/dermpathfel.shtml>)

5. Program Structure and Contents

A. Duration of program: 3 – 5 years

B. Structure of the program:

Total contact number of credit points 180 point (20 out of them for thesis)

Didactic # 40 (22.2 %), practical 120 (66.7%), thesis 20 (11.1%), total 180 CP.

First part

Didactic 14 (35 %), practical 24 (60 %), elective course 2 CP (5%), total 40

Second part

Didactic 24 (20%), practical 96 (80 %), total 120

Didactic (lectures, seminars, tutorial)

According the currently applied credit points by laws:

Total courses 160 credit point

Compulsory courses: 98.9%

Elective course: 2 credit point =1.25%

	Credit points	% from total
Basic science courses	24	13.3%
Humanity and social courses	2	1.1%
Speciality courses	134	74.5%
Others (Computer, ...)		
Field training	120	66.7%
Thesis	20	11.1%

C. Program Time Table

A. Duration of program 3 years maximally 5 years divided into

○ Part 1: (One year)

Program-related basic science courses and ILOs

Students are allowed to sit the exams of these courses after 12 months from applying to the MSc degree.

One elective course can be set during either the 1st or 2nd parts.

○ Thesis

For the MSc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree,

Discussion and acceptance of the thesis could be set after 12 months from registering the MSc subject;

It should be discussed and accepted before passing the second part of examination).

○ Part 2 (2 years)

Program –related specialty courses and ILOs

Students are not allowed to sit the exams of these courses before 3 years from applying to the MSc degree.

The students pass if they get 50% from the written exams and 60% from oral and clinical /practical exams of each course and 60% of summation of the written exams, oral and clinical/practical exams of each course

Total degrees: 1900 marks.

700 marks for first part

1200 for second part

Written exam 40% - 70%.

Clinical/practical and oral exams 30% - 60%

D. Curriculum Structure: (Courses):

 courses of the program:

courses	Course Code	Core Credit points		
		Lectures	training	Total
First Part				
Basic science courses (8CP)				
Course 1: Pathology	DER205	4		4
Course 2: Physiology, & Microbiology, Mycology and immunology	DER221A#	4 (2+2)		4
General clinical compulsory courses (6 points)				
Course 3: Internal medicine.	DER218	3	5	8
Course 4: Plastic surgery	DER213	2	3.5	5.5
Course 5: Psychiatry	DER220	1	1.5	2.5
Elective courses*	2			
- Elective course				
Clinical training and scientific activities:				
Clinical training and scientific activities:(10 CP)			10	10
Clinical training and scientific activities in Speciality course (14 CP)	DER221B		14	14
Course 6: Dermatology				
Total of the first part		16	24	40
Second Part	Specialty courses 24 CP Specialty Clinical Work (log Book) 96 CP			
Specialty Courses				
Course 6:Dermatology	DER221B	<u>24</u>		24
Training and practical activities in specialty (96 CP) (96 CP)	DER221B	96		96
Course 6:Dermatology				
Total of the second part				120
Thesis				20

Total of the degree			180
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Didactic (lectures, seminars, tutorial)

* Elective courses can be taken during either the 1st or 2nd parts.

Student work load calculation:

Work load hours are scheduled depending on the type of activities and targeted competences and skills in different courses

Elective Courses#:

- Medical statistics.
- Evidence based medicine.
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
- Quality assurance of medical education
- Quality assurance of clinical practice.
- Hospital management

One of the above mentioned courses are prerequisites for fulfillment of the degree.

Thesis:

20 CP are appointed to the completion and acceptance of the thesis.

Speciality courses rotation

Course Titles' list	% from total credit points	Level (Year)	Core Credit points		
			Didactic	Training	Total
course 6 " Dermatology	100%	1,2&3	24	110	134

6. Courses Contents (Annex 1)

The competency based objectives for each course/module/rotation are specified in conjunction with teaching/training methods, requirements for achieving these objectives and assessment methods.

See Annex 1 for detailed specifications for each course/ module

7-Admission requirements

Admission Requirements (prerequisites) if any :

I. General Requirements:

- a. MBChB Degree from any Egyptian Faculties of Medicine
- b. Equivalent Degree from medical schools abroad approved by the Ministry of Higher Education
- c. One year appointment within responsible department (for non Assiut University based registrars).

II. Specific Requirements:

- a. Fluent in English (study language)

VACATIONS AND STUDY LEAVE

The current departmental policy is to give working residents 1: 3 weeks leave prior to first/ second part exams respectively.

FEES:

As regulated by the postgraduate studies rules and approved by the faculty vice dean of post graduate studies and the faculty and university councils.

8-Progression and completion requirements

-  Examinations of the first part could be set at 12 months from registering to the MSc degree.
-  Examination of the second part cannot be set before 3 years from registering to the degree.
-  Discussion of the MSc thesis could be set after 1 year from officially registering the MSc subject before setting the second part exams.
-  The minimum duration of the program is 3 years.

The students are offered the degree when:

1. Passing the exams of all basic science, elective and speciality courses of this program as regulated by the post graduates approved rules by the faculty council.
2. Completing all scheduled CP and log book (minimum 80%).
3. Discussion and acceptance of the MSc_thesis.

9- Program assessment methods and rules (Annex IV)

Method	ILOs measured
Written examinations: Structured essay questions Objective questions: MCQ Problem solving	K & I
Clinical: Long/short cases OSCE	K ,I, P &G skills
Structured oral	K ,I &G skills
Logbook assessment	All
Research assignment	I &G skills

Weighting of assessments

Courses		Degrees			
First Part	Course Code	Written Exam	Degree		Total
			Oral Exam*	Practical / Clinical Exam	
First part					
Basic academic Courses:					
Course 1: Pathology	DER 205	80	120	-	200
Course 2: Physiology& Microbiology, Mycology and immunology	DER221A#	80	120	-	200
General clinical courses					
Course 3 :Internal medicine	DER218	70	40	40	150
Course 4: Plastic surgery	DER213	40	30	30	100
Course 5: Psychiatry	DER220	30	20	-	50
Total of the first part		300	330	70	700
Second Part					
Specialty Courses:					
Course 6 : Dermatology	DER221B	4 papers , 3hours for each			
Paper 1		150			
Paper 2		150			
Paper 3		150			
Paper 4		150			
Total of the degree		600	250	350	1200
Elective course		50	50		100

* 25% of the oral exam for assessment of logbook

Total degree 1900

700 marks for first part

1200 for second part

Written exam 51.05 % (970 marks).

Clinical/practical and oral exams 48.94 % (930 marks)

100 marks for elective course.

✚ Examination system:

- **First part:**
 - Written exam in Pathology 3hours+ Oral exam
 - Written exam 3hours in Physiology & Microbiology ,Mycology and Immunology + Oral exam
 - Written exam 3hours in Internal Medicine Oral exam+ Clinical exam
 - Written exam 2 hours in plastic surgery+ Oral exam+ Clinical exam
 - Written exam 1 hour in Psychiatry + Oral exam
- **Second part:**
 - Written exam 4 papers for Dermatology course (4 papers), 3 hours for each paper + Oral exam+ Clinical /practical exam.
- **Elective courses**
 - Written exam one paper 1 hour in Elective course + Oral & Practical exam

10-Program evaluation		
By whom	Method	Sample
Quality Assurance Unit	Reports Field visits	#
External Evaluator (s):According to department council External Examiner (s): According to department council	Reports Field visits	#
Stakeholders	Reports Field visits Questionnaires	#
Senior students	Questionnaires	#
Alumni	Questionnaires	#

- 1- Quality Assurance Unit of Assiut Faculty of Medicine:
- 2- External Evaluator (s): – Prof Dr Essameldin Abdelaziz Nada, Prof. Of dermatology, venereology and andrology. Sohag University.
- 3- External Examiner (s): As annually approved by staff members of the Dep. Of Dermatology, Venereology & Andrology, Assiut University.
- 4- Stakeholders of graduée: Questionnaires
- 5- Senior students

6- Alumni

* Evaluation reports will be collected from sample of the above mentioned contributors.

#Annex 5 contains evaluation templates and reports (Joined in the departmental folder).

11-Declaration

We certify that all of the information required to deliver this program is contained in the above specification and will be implemented.

All course specifications for this program are in place.

Contributor	Name	Signature	Date
▪ Program Principle Coordinator:	Prof. Dr. Nagwa Essa Abd El-Azem		
▪ Head of the Responsible Department (Program Academic Director):	Prof. Dr. Eman Riad Mohamed		

Annex 1, Specifications for Courses / Modules

Annex 1: specifications for courses

Course 1- Pathology

- **Name of department:** Department of Dermatology, Venereology and Andrology
- **Faculty of medicine**
- **Assiut University**
- **2022-2023.**

1. Course data

- + **Course Title:** Pathology
- + **Course code:** DER205
- + **Speciality** Dermatology
- + **Number of points:** Didactic4 CP (100%); 0CP for training and total; 4CP(100%).
- + **Department (s) delivering the course:** Pathology Department in conjunction with Department of Dermatology, Venereology and Andrology as annually approved by both departments councils.
- + **Coordinator (s):**
Staff members of Pathology Department in conjunction with Staff members of Department of Dermatology, Venereology and Andrology as annually approved by both departments councils.
- + **Date last reviewed:** 4/2022
- + **General requirements (prerequisites) if any :** none
- + **Requirements from the students to achieve course ILOs are clarified in the joining log book.**

2. Course Aims

Acquire the student basic pathology facts necessary to dermatology

3. Course intended learning outcomes (ILOs):

A - Knowledge and understanding

ILOs	Methods of teaching/learning	<i>Methods of Evaluation</i>
A. Identify the principle of general pathology; • Histology of skin. • Inflammation-Pathogenesis. • Inflammation-Types. • Gross Pathological skin lesions and its pathological background. • Basic pathological changes of the skin (epidermal and dermal). • Major histopathological patterns in different skin diseases. • Techniques for biopsy	Lectures Didactics	Written and oral examination Log book
B. Define the main dermatological disease categories that may affect the body including the following: -General pathology as mentioned in A. - Basic mechanisms underlying these disorders (etiology, pathogenesis & natural history). Of the following: • Granulomas. - Neoplasia (classification and method of diagnosis) - Tumours of epithelial tissue (benign and malignant). • Tumours of blood vessels (benign and malignant). • Tumours of pigmented cells (benign and malignant)		
C. Describe the morphologic (gross & microscopic) changes occurring as a result of dermatologic diseases mentioned in B		

B. Intellectual outcomes

ILOs	Methods of teaching/learning	Methods of Evaluation
A. Correlate the facts of histopathology with clinical reasoning, diagnosis and management of common diseases related to Dermatology	Lectures Didactics	Written and oral examination Log book
B. Predict the symptoms and signs of a disease based on the underlying gross & microscopic tissue		
C. Design and present cases , seminars in common problem		
D- Interpret the pathology report in a professional manner		

C-Practical skills (Patient Care)

Practical skills =0 CP

D - General Skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/Learning	Methods of Evaluation
A. Appraises evidence from scientific studies(journal club)	Lectures	Logbook
B. Perform data management including data entry and analysis.		
C. Facilitate learning of junior students and other health care professionals.		

Interpersonal and Communication Skills

ILOs	Methods of teaching/Learning	Methods of Evaluation
D. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.	-Observation -Senior staff experience	Logbook
E. Provide information using effective nonverbal, explanatory, questioning, and writing skills.		

Professionalism

ILOs	Methods of teaching/Learning	Methods of Evaluation
F. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society	-Observation -Senior staff experience	Logbook
G. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/learning	Methods of evaluation
H. Work effectively in relevant health care delivery settings and systems.	-Observation -Senior staff experience	Logbook

4. Course contents (topic s/modules/rotation Course Matrix

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
Histology of skin	A	-	-	B,D,E
Inflammation-Pathogenesis	A	A-C	-	B,D,E
Inflammation-Types	A,B	A	-	B,D,E
Healing-mechanism	A,B	A	--	B,D,E
Wound healing and complication	A,B	A	-	B,D,E
Gross Pathological skin lesions and its pathological background	A,B	A	-	B,D,E
Basic pathological changes of the skin (epidermal and dermal)	A,B	A	-	B,D,E
Major histopathological patterns in different skin diseases	A-C	A	-	B,D,E
Techniques for biopsy	A	A	-	B,D,E
Granulomas	B,C	A-D	-	A-H
Neoplasia (classification and method of diagnosis)	B,C	A-D	-	A-H
Tumours of epithelial tissue (benign and malignant)	B,C	A-D	-	A-H
Tumours of blood vessels (benign and malignant)	B,C	A-D	-	A-H
Tumours of pigmented cells (benign and malignant)	B,C	A-F	-	A-H

6. Course Methods of teaching/learning: for students with poor achievements

- Lectures
- Seminars
- Didactic teaching.

7. Course assessment methods

Assessment tools:

- a. Written (120) and oral examination (80) including practical skills assessment
 - b. Log book
- ii. Time schedule: at the end of 1st part
 - iii. Marks: 200(80 for written exam+ 120 for oral **exam and slides station OSPE**).

8. List of references

1- Course Notes

2- ***Essential Books (Text Books):***

Lever's Histopathology of the skin 11th edition, **Paperback – January 1, 2019**

3- **Recommended book:** Arthur Rook text book of Dermatology, Christopher E. M. Griffiths (Editor), Jonathan Barker (Editor), Tanya O. Bleiker (Editor), Robert Chalmers (Editor), Daniel Creamer (Editor), 9th edition – 2017.

4- **Periodicals, Web sites, pubmed...** etc

9. Signatures

Course Coordinator:

Head of the Department:

Date:

Date:

Course 2 Physiology& Microbiology, Mycology and Immunology

Course 2; Module 1: Physiology

- Name of department: Dermatology, Venereology and Andrology
- Faculty of medicine , Assiut University
- 2022-2023

I. Module data

- ✚ **Module Title:** Physiology
- ✚ **Course code:** DER221A#
- ✚ **Speciality :** Dermatology
- ✚ **Number of CP : 2 (100% didactic) and 0CP for training and total 2 CP(100%)**
- ✚ **Department (s) delivering the course:** Physiology Department in conjunction with Department of Dermatology, Venereology and Andrology as annually approved by both departments councils.
- ✚ **Coordinators:**
Staff members of: physiology Department in conjunction with **Staff members of Department** of Dermatology, Venereology and Andrology as annually approved by both departments councils.
- ✚ **Date last reviewed:** 4/2022
- ✚ **Requirements (prerequisites) if any :**
Requirements from the students to achieve course ILOs are clarified in the joining log book

2. Module Aims

2/1 Provide appropriate level of physiology knowledge necessary to dermatology.

3. Intended learning outcomes (ILOs):

A - Knowledge and understanding

	Methods of teaching/ learning	Methods of Evaluation
A. Describe basic Physiologic details related to dermatology of the following : - physiology of skin, B- Understand the sensory function of skin and itching, physiology of skin pigmentation, C. Recognize the skin as an organ and how it interacts with different body systems and homeostasis through neural and hormonal control and related disturbance.	Lectures And practical	Written and oral examination Log book

B) Intellectual outcomes

Los	Methods of teaching/learning	Methods of Evaluation
A. Correlates the facts of basic Physiology with clinical reasoning, diagnosis and management of Dermatology and diseases including differentiation between different functions of the skin, sensory function; pain, itching, pigmentation, sweating, thermoregulation .	Didactic (lectures, seminars, tutorial)	-Written and oral examination -Log book
B. Demonstrate an investigatory and analytic thinking (problem solving) approaches to the effect of disturbance in the physiology of skin will affect many organs and disturb homeostasis.		

C) Practical and Professional Skills

Practical skills =OCP

D General Skills
Practice-Based Learning and Improvement

ILOs	Methods of teaching/learning	Methods of Evaluation
A. Appraises evidence from scientific studies(journal club)	Lectures	Logbook
B. Perform data management including data entry and analysis.		
C. Facilitate learning of junior students and other health care professionals.		

Interpersonal and Communication Skills

ILOs	Methods of teaching/learning	Methods of Evaluation
D. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.	-Observation -Senior staff experience	Logbook
E. Provide information using effective nonverbal, explanatory, questioning, and writing skills.		

Professionalism

ILOs	Methods of teaching/learning	Methods of Evaluation
F. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society	-Observation -Senior staff experience	Logbook
G. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/learning	Methods of Evaluation
H. Work effectively in relevant health care delivery settings and systems.	-Observation -Senior staff experience	Logbook

Module contents (topic s/modules/rotation)
Module Matrix

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
Homeostasis	C	A,B	-	A-H
Pain	C	A,B	-	A-H
Thermoregulation	C	A,B	-	A-H
Fever	C	A,B	-	A-H
Urine formation	C	A,B	-	A-H
Renal failure	C	A,B	-	A-H
Acid- Base balance	C	A,B	-	A-H
Disturbance of Acid- Base disturbance	C	A,B	-	A-H
Water and Electrolyte Regulation	C	A,B	-	A-H
Blood elements	C	A,B	-	A-H
Anemia	C	A,B	-	A-H
Capillary Circulation	A,C	A,B	-	A-H
Tissue fluid formation	A	A,B	-	A-H
Oedema	A ,C	A,B	-	A-H
Functions of the skin	A	A,B	-	A-H
Physiology of Itching	B	A,B	-	A-H
Skin Circulation	A	A,B	-	A-H
Dermographism	B	A,B	-	A-H
Sensory Functions of skin	B	A,B	-	A-H
Itching	B	A,B	-	A-H
Physiology of Pigmentation	B	A,B	-	A-H
Skin manifestation of Endocrinal Diseases	B	A,B	-	A-H
Physiology of Eccrine sweat glands	A	A,B	-	A-H
Physiology of Apocrine sweat glands	A	A,B	-	A-H
Physiology of Sebaceous glands	A	A,B	-	A-H
Physiology of Hair	A	A,B	-	A-H
Hair cycle	A	A,B	-	A-H

5. Module Methods of teaching/learning:

- Didactic (lectures, seminars, tutorial)
- Observation
- Senior staff experience

6. Module Methods of teaching/learning: for students with poor achievements

- Didactic (lectures, seminars, tutorial)
- Observation
- Senior staff experience

7. Module assessment methods

i. Assessment tools:

- Written and oral examination.
- Log book

ii. Time schedule: end of first part

iii. Marks: 100 marks (40 for written+ 60 for oral).

8. List of references

8.1- Course Notes specific for each lecturer (Paper and / or electronic).

8.2- Essential Books (Text Books):

-Review of medical physiology By: William F. Ganong
Text Book of medical physiology By : Guyton. 12th Edition,2020.

8.3- Periodicals, Web Sites, ... etc.

www . Pubmed. Com, Am. J. of physiology

Course 2: Module 2: Microbiology, Mycology and Immunology

- Name of department: Dermatology, Venereology and Andrology
- Faculty of medicine , Assiut University
- 2022-2023.

I. Module data

- ✚ **Module Title: Microbiology , Mycology and Immunology.**
- ✚ **Course code: DER221A#**
- ✚ **Speciality : Dermatology.**
- ✚ **Number of CP: 2(100%) CP for didactic teaching 0 CP for training, total 2 CP(100%)**
- ✚ **Department (s) delivering the course:** Microbiology and Immunology
Department in conjunction with Department of Dermatology, Venereology and Andrology as annually approved by both departments councils.
- ✚ **Coordinators:**
Staff members of Microbiology and Immunology Department in conjunction with **Staff members of Department** of Dermatology, Venereology and Andrology as annually approved by both departments councils.
- ✚ **Date last reviewed: 4/2022**
- ✚ **Requirements (prerequisites) if any :**
- ✚ Requirements from the students to achieve course ILOs are clarified in the joining log book

2. Module Aims

2/1- Provide appropriate level of Microbiology, mycology and Immunology knowledge necessary to dermatology.

3. Intended learning outcomes (ILOs):

A) Knowledge and understanding

ILOs	Methods of teaching/ Learning	Methods of Evaluation
A. Describe the Microbiology. mycology and Immunology principles related to dermatological conditions including: - General bacterial and mycology morphology, physiology and genetic - The host parasite relationship and microbial pathogenesis. - The basics of antimicrobial uses and resistance. - B. Explain the physiology of the immune system, its beneficial role, as well as its detrimental role in hypersensitivity, autoimmunity and transplant rejection. C. Illustrate the following : - The morphology, culture, antigenic structure and virulence factors of dermatologic microorganisms to outline the diagnosis, treatment, prevention and control of these diseases. - The impact of molecular technology in microbiology and immunology.	Lectures Didactics	Written and oral examination Log book

B-Intellectual outcome

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Correlates the facts of Microbiology and Immunology with clinical reasoning, diagnosis and management of common diseases related to Dermatology, venerology and Andrology	Didactic (lectures, seminars, tutorial)	-Written and oral examination -Log book
B. Demonstrate an investigatory and analytic thinking (problem solving) approaches for laboratory diagnosis of common dermatologic or venereal		

diseases and select the most appropriate and cost-effective tool leading to the identification of the causative organism.		
C- Categorize a microorganism as a bacterium, virus or fungus according to standard taxonomy.		
D- Report and appraise a concise scientific activity according to standard scientific thinking and integrity.		

C) Practical Skills
Practical skills= 0 CP

D) General Skills
Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Appraises evidence from scientific studies(journal club).	Lectures	Logbook
B. Perform data management including data entry and analysis.		
C. Facilitate learning of junior students and other health care professionals.		

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
D. Elicit information using effective nonverbal, explanatory, questioning, and writing skills.	-Observation -Senior staff experience	Logbook
E. Provide information using effective nonverbal, explanatory, questioning, and writing skills.		

Professionalism

ILOs	Methods of teaching/learning	Methods of Evaluation
F. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society	-Observation -Senior staff experience	Logbook
G. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/learning	Methods of Evaluation
H. Work effectively in relevant health care delivery settings and systems.	-Observation -Senior staff experience	Logbook

**4. Module contents (topic s/modules/rotation
Module Matrix**

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
Bacterial structure, physiology, and classifications Bacterial genetics, antibacterial agents, mechanism of actions and resistance	A	A-D	-	A-E
Staphylococci, Streptococci, and Enterococci	A	A-D	-	A-E
Clostridia and other Gram positive bacilli (Corynebacteria, Listeria, Bacillus group, and Actinomycosis)	A	A-D	-	A-E
Nisseria, Porvobacteria (Haemophilus, Bordetella, Brucella, Legionella, Yersinia, Pasteurella)	A	A-D	-	A-E
Enterobacteriaceae	A	A-D	-	A-E
Pseudomonas, Vibrios, Campylobacter, Helicobacter Gram negative anaerobic bacteria	A	A-D	-	A-E
Spirochetes, Mycobacteria, Chlamydia, Mycoplasma, Rickettsia	A	A-D	-	A-E
Basic mycology: classification and antifungal agents	A	A-D	-	A-E
Basic virology, major virus group	C	A-D	-	A-E
Basic immunology: immune response (tissues and cells, types)	B	A-D	-	A-E
Humoral immunity, Immunoglobulins, Complement, Ag-Ab reactions)	B	A-D	-	A-E
Cell mediated immunity, Cytokines, Immunity to bacterial infections and	B	A-D	-	A-E

immunoprophylaxis				
Hospital acquired infections and infection control	A	A-D	-	A-H
Hypersensitivity	B	A-D	-	A-E
Autoimmunity and tumor immunology	B,C	A-D	-	A-E
Transplantation immunity	B	A-D	-	A-H
Immunodeficiency and infections in immunocompromised host	B	A-D	-	A-H
Sterilization and disinfection	A	A-D	-	A-H
Septicaemia, Bacteraemia, FUO	A,C	A-D	-	A-H
Skin and soft tissue infections	A,C	A-D	-	A-H

5 Methods of teaching/learning:

- Lectures
- Seminars
- Didactic teaching.

6 Methods of teaching/learning: for students of limited abilities

1. Lectures
2. Seminars
3. Didactic teaching.

7- Assessment methods:

i. Assessment tools:

- Written and oral examination 100 degree for each
- Log book

ii. Time schedule: at the end of 1st part.

iii. Marks 100(40 for written+ 60 for oral).

8. List of references

- Course Notes

- Essential book: Gordon Reeves – Basic Immunology 4th edition, 2017.
- Recommended textbook: Rook, Wilkinson and Ebling – Textbook of dermatology edition-----ninth edition 2017
- Periodicals, Web Sites, www.pubmed.com

9. Signatures	
Course coordinator	
Module 1 Coordinator:	Head of the Department:
Date:	Date:
Module 2 Coordinator:	Head of the Department:
Date:	Date:

Course 3: Internal Medicine.

- Name of department: Dermatology, Venereology and Andrology
- Faculty of medicine , Assiut University
- 2022-2023.

I. Course data

-  **Course Title:** Internal Medicine
-  Course code: DER 218
-  Speciality : Dermatology.
-  Number of CP : : 3 CP for didactic, lecture, tutorial teaching(37.5%), 5 CP(62.5%) for training; total 8(100%) CP.
-  Department (s) delivering the course: Internal Medicine Department in conjunction with Department of Dermatology, Venereology and Andrology as annually approved by both departments councils
-  Coordinators :
Staff members of Internal Medicine Department in conjunction with Staff members of Department of Dermatology, Venereology and Andrology as annually approved by both departments councils.
-  Date last reviewed: 4-2022
-  Requirements (prerequisites) if any :
Requirements from the students to achieve course ILOs are clarified in the joining log book

2. Course Aims

2/1 Provide appropriate level of Internal Medicine knowledge and skills necessary to dermatology.

3. Course intended learning outcomes (ILOs):

A) Knowledge and understanding

ILOS	Methods of teaching/ learning	Methods of Evaluation
A. Describe the etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: • -Organ failure (cardiac,hepatic, renal,respiratory) • Systemic failure(shock) • -Disorders of electrolytes and acid base balance • Cardiac arrhythmia • Diabetes mellitus • Neuropsychiatric aspects of aging • Disorders related to malnutrition • Infection in immunocompromized host/HIV • Types of haematological malignancies • Vasculitic disorders (differentiating parameters) • Connective tissue disorders (clinical aspects and investigations) • Altered hypothalamo-pituitary-gonadal axis • Pituitary hypo- and hyper function • Thyroid hypo- and hyperfunction • Approach to patients with: hepatitis, neuropathy, recurrent thrombosis, bleeding tendency • Pituitary hypo- and hyper function • Thyroid hypo- and hyperfunction • Approach to patients with: hepatitis,	Lectures And didactics	Written and oral examination MCQ Log book

neuropathy, recurrent thrombosis, bleeding tendency		
B-Mention the principles of management : • Purpura ,nail abnormalities,..... • Allergic manifestations • Organ failure (cardiac,hepatic,renal,respiratory) • Systemic failure(shock) • Disorders of electrolytes and acid base balance Cardiac arrhythmia • Diabetes mellitus • Neuropsychiatric aspects of aging		
C-State update and evidence based knowledge of conditions mentioned in B.		
D-Memorize the facts and principles of the relevant basic and clinically supportive sciences of medical problem related to dermatology		
E-Explain the facts and principles of the relevant basic and clinically supportive sciences of medical problem related to dermatology		
F-Describe the basic ethical and medicolegal principles of medical problem relevant to the dermatology		
G-Describe the basics of quality assurance to ensure good clinical care in his field		
H-Explain the ethical and scientific principles of medical research		
I-Explain the impact of common medical health problems in the field of Dermatology on the society		

B-Intellectual outcomes

ILOs	Methods of teaching/learning	Methods of Evaluation
A. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common medical diseases related to dermatology.	Clinical rounds Senior staff experience	Procedure/case presentation Log book
B. Demonstrate an investigatory and analytic thinking (problem solving) approaches to common clinical medical situations related to dermatology.		
C. Design and present cases , seminars in common medical dermatology problem		
D-Formulate management plans and alternative decisions in different medical situations in the field of the dermatology		

C - Practical Skills(patient care)

ILOS	Methods of teaching/ Learning	Methods of Evaluation
A- Take full medical history B- Examine different systems efficiently & elicit signs. C- Order appropriate investigations for common medical conditions. D- Demonstrate effective communication with patients, relatives and colleagues. E- Cope with ethical and legal issues which occur during the management of patients with general medical problems.	training (clinical)	clinical problem solving and oral examination Log book

D-General Skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/ Learning	Methods of Evaluation
A. Perform practice-based improvement activities using a systematic methodology in the common problems (plain and conduct audit cycles)	-Case log -Observation and supervision -Written & oral communication	Procedure/case presentation -Log book and Portfolios
B. Appraises evidence from scientific studies related to patients’ health problems.	-Journal clubs - Discussions in seminars and clinical rounds	
C. Conduct epidemiological Studies and surveys		
D. Perform data management including data entry and analysis.		
E. Facilitate learning of junior students and other health care professionals..		

Interpersonal and Communication Skills

ILOs	Methods of teaching/ Learning	Methods of Evaluation
F. Maintain therapeutic and ethically sound relationship with patients	Simulations Clinical round Seminars Lectures Case presentation Hand on workshops	Global rating Procedure/case presentation Log book <i>Portfolios</i> Chick list
G. Elicit information using effective nonverbal, explanatory, questioning, and writing skills		
H. Provide information using effective nonverbal, explanatory, questioning, and writing skills		
I. Work effectively with others as a member or leader of a health care team e.g. in labor ward		
J. Present a case in a common I problem		

Professionalism

ILOs	Methods of teaching/ Learning	Methods of Evaluation
K. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supersedes self-interest.	Observation Senior staff experience Case taking	1. Objective structured clinical examination 2. Patient survey
L. Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.		1. 360o global rating
M. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/learnig	Methods of Evaluation
N. Work effectively in different health care delivery settings and systems.	Observation Senior staff experience	1. 360o global rating
O. Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
P. Assist patients in dealing with system complexities		1. 360o global rating 2. Patient survey

	Course contents (topic s/modules/rotation Course Matrix
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Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
Clinical symptoms and signs: e.g. purpura,nail abnormalities,.....	A,B,C	A	A,B	A-D
Allergic manifestations	A-C	A-D	A-D	A-E
Organ failure (cardiac,hepatic,renal,respiratory)	A-I	A-D	A-D	A-H
Systemic failure(shock)	A-I	A-D	A-D	A-H
Disorders of electrolytes and acid base balance	A-I	A-D	A-D	A-H
Cardiac arrhythmia	A-I	A-D	A-D	A-P
Diabetes mellitus	A-I	A-D	A-D	A-P
Neuropsychiatric aspects of aging	A-I	A-D	A-D	A-P
Disorders related to malnutrition	A-I	A-D	A-D	A-P
Infection in immunocompromized host/HIV	A-I	A-D	A-D	A-P
Types of haematological malignancies	A-I	A-D	A-D	A-P
Vasculitic disorders (differentiating parameters)	A-I	A-D	A-D	A-P
Connective tissue disorders (clinical aspects and investigations)	A-I	A-D	A-D	A-P
Altered hypothalamo-pituitary-gonadal axis	A-I	A-D	A-D	A-P
Pituitary hypo- and hyper function	A-I	A-D	A-D	A-P
Thyroid hypo- and hyperfunction	A-I	A-D	A-D	A-P
Approach to patients with:	A-I	A-D	A-D	A-P

hepatitis, neuropathy, recurrent thrombosis, bleeding tendency				
Pituitary hypo- and hyper function	A-I	A-D	A-D	A-P
Thyroid hypo- and hyperfunction	A-I	A-D	A-D	A-P

5 Course Methods of teaching/learning:

1. Lectures
2. Clinical work

6 Course Methods of teaching/learning: for students of limited abilities

1. Lectures
2. Clinical work

7- Course assessment methods:

i. Assessment tools:

- a. Written and oral examination
- b. Log book

ii. Time schedule: at the end of 1st part.

iii. Marks: 150 (90 for written+30 for clinical+ 30 for oral)

8. List of references

8.1- Course Notes

8.2- **Essential Books (Text Books):**

- Davidson's textbook of medicine edition 23th
- Current textbook of medicine 57th edition 2018.
- Cecil textbook of medicine 22nd edition, **Reviewed in 2017.**

8.3- **Recommended book**

Harrison textbook of medicine 20th edition, 2018.

8.4 Periodic website: www.Pubmed.com, www.freemedicaljournals.com

9. Signatures

Course Coordinator:	Head of the Department:
Date:	Date:

Course 4: Plastic Surgery

- **Name of department:** Dermatology, Venereology and Andrology
- **Faculty of medicine , Assiut University**
- **2022-2023.**

I. Course data

- + **Course Title:** Plastic Surgery
- + **Course code:** DER213.
- + **Speciality:** Dermatology.
- + **Number of CP:** 2 (36.4%)CP for didactics and 3.5(63.6%)CP for training. Total CP 5.5(100%) CP.
- + **Department (s) delivering the course:** Plastic Surgery Departments in conjunction with Department of Dermatology, Venereology and Andrology as annually approved by both departments councils.
- + **Coordinators :**
- + **Staff members of** Plastic Surgery Departments in conjunction with **Staff members of Department** of Dermatology, Venereology and Andrology as annually approved by both departments councils.
- + **Date last reviewed:** 4/2022
- + **Requirements (prerequisites) if any :**

Requirements from the students to achieve course ILOs are clarified in the joining log book

2. Course Aims

2/1-Provide the candidate basics knowledge and clinical skills of plastic surgery situation related to dermatological diseases.

3. Intended learning outcomes (ILOs):

A) Knowledge and understanding

ILOS	Methods of teaching/ learning	Methods of Evaluation
A-Describe the symptoms and sings of most common plastic surgical conditions related to dermatology. -Critical anatomic consideration. -Local aneathetic. -Biopsy techniques. - Simple excision ,suture technique, and wound closure. -Management of specific conditions . - Burn.	Lectures and didactics	Written and oral examination Log book

B-Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common surgical diseases related to Dermatology.	Clinical rounds Senior staff experience	Procedure/case presentation Log book
B. Demonstrate an investigatory and analytic thinking (problem solving) approaches to common clinical surgical situations related to dermatology.		
C. Design and present cases , seminars in common surgical Dermatology problem		
D-Formulate management plans and alternative decisions in different surgical situations in the field of Dermatology.		

C} Practical Skills

Competency and Skills	Methods of teaching/ Learning	Methods of Evaluation
A- Take proper history case taking. B- Diagnose different surgical conditions mentioned above and related emergencies. C- Master the skills for selection of patients suitable to elective surgical interventions. D- Manage preoperative steps related to dermatological procedures.	Lectures and training (clinical and log training)	Written and oral examination Log book

D- General skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A-Perform practice-based improvement activities using a systematic methodology in the common problems (plain and conduct audit cycles)	-Case log -Observation and supervision -Written & oral communication	Procedure/case presentation -Log book and Portfolios
B-Appraises evidence from scientific studies related to patients' health problems.	-Journal clubs - Discussions in seminars and clinical rounds	
C-Conduct epidemiological Studies and surveys		
D-Perform data management including data entry and analysis.		
E-Facilitate learning of junior students and other health care professionals..		

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
F-Maintain therapeutic and ethically sound relationship with patients	Simulations Clinical round Seminars Lectures Case presentation Hand on workshops	Global rating Procedure/case presentation Log book Portfolios Chick list
G-Elicit information using effective nonverbal, explanatory, questioning, and writing skills		
H-Provide information using effective nonverbal, explanatory, questioning, and writing skills		
I-Work effectively with others as a member or leader of a health care team e.g. in labor ward		
J-Present a case in a common I problem		

Professionalism

ILOs	Methods of teaching/ Learning	Methods of Evaluation
K-Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supersedes self-interest.	Observation Senior staff experience Case taking	1. Objective structured clinical examination 2. Patient survey
L-Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.		1. 360o global rating
M- Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
N-Work effectively in different health care delivery settings and systems.	Observation Senior staff experience	1. 360o global rating
O-Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
P-Assist patients in dealing with system complexities		1. 360o global rating 2. Patient survey

	Course contents (topic s/modules/rotation Course Matrix
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Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
Plastic surgery				
A-Describe the symptoms and sings of most common surgical conditions related to dermatology. - Simple excision ,suture technique, and wound closure. -Managemet of specific conditions	A	A-D	A-D	A-P
Critical anatomic consideration.	A	A-D	A,B,D	A-P
Local aneathetic.	A	A-D	A-D	A-P
Biopsy techniques	A	A,B,D	A,B,D	A-P

5 - Course Methods of teaching/learning

1. Lectures
2. seminars,
3. discussion with senior staff
4. observation
5. Clinical work

6 Course Methods of teaching/learning: for students of limited abilities

1. Lectures
2. Seminars,
3. Discussion with senior staff
4. Observation
5. Clinical work

7- Course assessment methods

i. Assessment tools:

1. Written , oral and clinical examination
2. Log book

ii. Time schedule: 1st part

iii. Marks: 100 marks (40 Didactic, 30 oral, 30 clinical)

8. List of references

8.1- Course Notes

8.2- ***Essential Books (Text Books):***

- Bailey and Love's Short Practice of Surgery edition 26th, 2013.

- **8.3-Recommended book**

- Current Surgical Diagnosis and Treatment, 15th Edition, 2022.

- **WEBSITE: www.Pubmed.com**

9. Signatures

Course Coordinator	
Course Coordinator:	Head of the Department:
Date:	Date:

Course 5: Psychiatry

I. Course data

 **Course Title:** Psychiatry

 **Course code:** DER220

 **Speciality :** Dermatology, Venereology and Andrology

Number of CP 1 CP (40%)for didactic, lecture, tutorial teaching, 1.5 CP(60%) for training. Total 2.5CP(100%).

 **Department (s) delivering the course:** Neuropsychiatry Department
in conjunction with Department of Dermatology, Venereology and Andrology.

 **Coordinator (s):** Staff members of Neuropsychiatry Department in
conjunction with Dermatology, Venereology and Andrology
Department as annually approved by both departments councils

 **Date last reviewed:** 4/2022

 **Requirements (prerequisites) if any :**

 **None**

2. Course Aims

2/1 Provide the knowledge and attitudes required for psychiatric problems related to Dermatologic complaints.

3. Intended learning outcomes (ILOs)

A) Knowledge and understanding

ILOS	Methods of teaching/ Learning	Methods of Evaluation
A Illustrate the art of psychiatric concepts and condition related to dermatology including the following: Introduction and classification in psychiatry Introduction to management strategies in psychiatry Interface between psychiatry and dermatology. Common psychiatric conditions and their management.	Lectures Didactics discussion	Written and oral examination Log book

B) Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Correlates the facts of basic psychiatry with clinical reasoning, diagnosis and management of related condition to Dermatology diseases. B. Demonstrate an investigatory and analytic thinking (problem solving) approaches to the conditions mentioned above.	Didactic (lectures, seminars, tutorial)	-Written and oral examination -Log book

C) Practical Skills(Patient care)

ILOS	Methods of teaching/ learning	Methods of Evaluation
A. Take full medical, Psychological history and assessment of patients. B- Diagnose psychiatric related dermatologic malfunctions C- Investigate properly in context with psychological condition of patients in our practice. D- Carry out management strategy for different psychological related conditions in association with psychologists. E. Communicate effectively with patients, relatives and psychiatrists. F. Cope with ethical and legal issues which occur during the management of patients with psychiatric problems	training (clinical) Discussion Observation	Written and oral examination Log book

D General Skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Appraises evidence from scientific studies(journal club) B. Perform data management including data entry and analysis. C .Facilitate learning of junior students and other health care professionals.	Lectures Discussion, observation	Logbook

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
D. Elicit information using effective nonverbal, explanatory, questioning, and writing skills. E. Provide information using effective nonverbal, explanatory, questioning, and writing skills.	-Observation -Senior staff experience	Logbook

Professionalism

ILOs	Methods of teaching/ Learning	Methods of Evaluation
F. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society	-Observation -Senior staff experience	Logbook
G .Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
H. Work effectively in relevant health care delivery settings and systems.	-Observation -Senior staff experience	Logbook

4. Course contents (topic s/modules/rotation Course Matrix

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
Introduction and classification in psychiatry	A	A	-	B-E
Introduction to management strategies in psychiatry	A	A	-	B-E
Interface between psychiatry and dermatology.	A	A	-	B-E
Common psychiatric conditions and their management	A	A,B	A-F	A-H

5 Course Methods of teaching/learning:

- Lectures.
- Clinical
- Tutorial.
- Discussion
- Observation

6 Course Methods of teaching/learning: for students of limited abilities

- Lectures
- clinical
- tutorial.
- discussion
- observation

7- Course assessment methods:

- i. Assessment tools:
 - Written and oral examination including practical skills assessment
 - Log book
- ii. Time schedule: 1st part (year 1)
- iii. Marks: 50 (30 for written + 20 for oral).

8. List of references

Course Notes: lecture note

9. Signatures

Course Coordinator:	Head of the Department:
Date:	Date:

Second Part

Speciality Course

Course 'Titles' list	% from total credit points	Level (Year)	Core Credit points		
			Didactic	training	Total
Course 6: Dermatology	100%	1,2&3	24	110	134

Course 6: Dermatology

1. Course data

+ Course Title: Dermatology .

+ Course code: DER221B

+ Speciality: Dermatology

Number of CP 24 CP (18%)for didactic, lecture, tutorial teaching, 110 CP(82%) for training. Total 134 CP(100%).

+ Department (s) delivering the course : Department of Dermatology, Venereology & Andrology- Faculty of Medicine- Asyut University- EGYPT

+ Coordinator (s):

Course	Principle coordinator	Assistant coordinator
Course 6: Dermatology	Prof Dr. Nagwa Essa Abd elazim	Prof. Dr. Eman Riad Mohamed, Prof. Dr. Dalia Abdel-Aziz Ahmed, Prof. Dr. Sahar Abdel-Moez Ahmed, Prof. Dr. Emad Abdelraheem Taha, Dr. Ayman Mohamed Mahran, Dr. Hisham Diab Gaber, Dr. Marwa Mohammad Abdel-Hakeem

- ✚ Date last reviewed: 4/2022
- ✚ Admission Requirements (prerequisites) if any : According to approved regulatory rules
 - I. General Requirements: -none
 - II. Specific Requirements:
 - ✚ • Should have successfully completed basic medical training leading to MBBS, MD, or MB Ch from a recognized institution.
 - ✚ • Must have completed a one year internship program that included at least two months of Internal Medicine.
 - ✚ • Must be fully registered by the competent Authority, to practice medicine in the Arab Republic of Egypt.

2. Course Aims

- 2/1) To Enable the candidates to keep with the international standards of patient care of common conditions in dermatology by achieving high levels of:
- a- Clinical skills.
 - b- Patient care skills.
 - c- Simple surgical maneuvers such as; skin biopsy.
- 2/2) To introduce the candidates to the basics of scientific research.
- 2/3) Enable them to start professional careers as specialists in Egypt.
- 2/4) Make them recognized as specialists abroad.
- 2/5) Enable them to pursue higher studies and degrees.
- 2/6) Enable them to understand and to get the best of published scientific research and to do their own research.

3. Intended learning outcomes (ILOs)

A- Knowledge and understanding

ILOs	Methods of teaching/ Learning	Methods of Evaluation
A. Describe the etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: • Neonatal Dermatoses and genodermatoses • Pruritis • Eczematous skin conditions including atopic and contact dermatitis • Lichenoid skin eruptions • Cutaneous erythemas • Occupational dermatoses • Inflammatory disorders of the dermis as sweets syndrome, pyoderma gangrenosum, erythema nodosum and others • Cutaneous physical injury as photodermatoses, cold, mechanical and thermal injury. • Cutaneous infections including, viral, bacterial, parasitic, and fungal skin diseases with special concern to leprosy and other chronic infections in our community. • Drug reactions • Skin tumours • Cutaneous pigmentary disorders • Cutaneous naevi • Urticarial and flushing disorders • Disorders of skin appendages (sweat and apocrine glands and hair) • Disorders of keratinization including psoriasis, ichthyotic disorders, keratodermas and others • Disorders of skin aging and geriatric dermatoses • Autoimmune connective tissue diseases • Diseases of connective tissue and subcutaneous fat • Bullous skin diseases: Mechanobullous and Immunobullous skin diseases • Disorders of cutaneous vessels (arteries, veins and lymphatics) including vasculitis and occlusive disorders • Histocytosis and mastocytosis • Granulomatous skin diseases as sarcoidosis and others • Metabolic and nutritional dermatoses • Skin affection in systemic diseases and malignancies	Didactic; -Lectures -Clinical rounds -Seminars -Clinical rotations (service teaching)	-OSCE -log book & portfolio - MCQ examination -Oral and written exam

• Nail disorders • Disorders that associate affection of skin and other body systems and organs as eye, ear, mucosa, teeth, musculoskeletal, respiratory and nervous systems • Cutaneous lymphomas and lymphocytic infiltrate • Disorders of lips and oral cavity • Psychocutaneous disorders • Necrobiotic disorders.		
B. Illustrate the principles of diagnostic, therapeutic and preventive tools for the following disease: • Neonatal dermatoses and genodermatoses • Pruritis • Eczematous skin conditions including atopic and contact dermatitis • Lichenoid skin eruptions • Cutaneous erythemas • Occupational dermatoses • Inflammatory disorders of the dermis as sweets syndrome, pyoderma gangrenosum, erythema nodosum and others • Cutaneous physical injury as photodermatoses, cold, mechanical and thermal injury. • Cutaneous infections including, viral, bacterial, parasitic, and fungal skin diseases with special concern to leprosy and other chronic infections in our community. • Drug reactions • Skin tumours • Cutaneous pigmentary disorders • Cutaneous naevi • Urticarial and flushing disorders • Disorders of skin appendages (sweat and apocrine glands and hair) • Disorders of keratinization including psoriasis, ichthyotic disorders, keratodermas and others • Disorders of skin aging and geriatric dermatoses • Autoimmune connective tissue diseases • Diseases of connective tissue and subcutaneous fat • Bullous skin diseases: Mechanobullous and Immunobullous skin diseases • Disorders of cutaneous vessels (arteries, veins and lymphatics) including vasculitis and occlusive disorders • Histocytosis and mastocytosis • Granulomatous skin diseases as sarcoidosis and others • Metabolic and nutritional dermatoses • Skin affection in systemic diseases and malignancies	Didactic; -Lectures -Clinical rounds -Seminars -Clinical rotations (service teaching)	-OSCE -log book & portfolio - MCQ examination -Oral and written exam

• Nail disorders • Skin infections (including COVID19) • Disorders that associate affection of skin and other body systems and organs as eye, ear, mucosa, teeth, musculoskeletal, respiratory and nervous systems • Cutaneous lymphomas and lymphocytic infiltrate • Disorders of lips and oral cavity • Psychocutaneous disorders • Necrobiotic disorders. • Skin cosmetic problems		
C. State update and evidence based Knowledge of: • Genodermatoses • Immunodeficiency disorders • Bullous skin diseases • Bacterial, viral, fungal, parasitic and mycobacterial infections • Rare syndromes with Keratoderma • Some ichthyotic disorders • Rare cutaneous tumours • Granulomatous skin diseases as sarcoidosis and others • Metabolic and nutritional dermatoses • Vasculitic diseases • Panniculitis • Histocytosis • Necrobiotic disorders • Nail disorders • Infections and antibiotics .	Didactic; -Lectures -Clinical rounds -Seminars -Clinical rotations (service teaching)	-OSCE at the end of each year -log book & portfolio - MCQ examination -Oral and written exam
D. Memorize the facts and principles of the relevant basic and clinically supportive sciences related to dermatology		
E. Explain the facts and principles of the relevant basic and clinically supportive sciences related to dermatology		
G. Describe the basics of quality assurance to ensure good clinical care in his field		
H. Explain the ethical and scientific principles of medical research		
I. Explain the impact of common health problems in the field of Dermatology on the society.		

B-Intellectual outcomes

ILOs	Methods of teaching/ Learning	Methods of Evaluation
A. Correlates the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases related to dermatology.	Clinical rounds Senior staff experience	Procedure/case presentation Log book
B. Demonstrate an investigatory and analytic thinking (problem solving) approaches to common clinical situations related to dermatology.		
C. Design and present cases , seminars in common dermatology problem		
D-Formulate management plans and alternative decisions in different situations in the field of the dermatology		

C- Practical skills (Patient Care)

ILOs	Methods of teaching/ Learning	Methods of Evaluation
A. Take history, examine and clinically diagnose different conditions related to Dermatology	-Didactic; -Lectures -Clinical rounds -Seminars -Clinical rotations (service teaching)	- OSCE at the end of each year -log book & portfolio - MCQ examination
B. Order the following non invasive diagnostic procedures. - fungal culture -Bacteriological swab -Trichogram -Dermoscopy and trichoscopy	Clinical round with senior staff Observation Post graduate teaching Hand on workshops	-Procedure presentation - Log book - Chick list
C. Interpret the following non invasive and invasive diagnostic procedures - skin biopsy - Skin scraping and KOH test	Clinical round with senior staff	Procedure presentation - Log book - Chick list
D. Perform the following non invasive & invasive	Clinical round with	Procedure

diagnostic procedures: - Cutaneous laboratory tests as scrapings and obtaining hair, nail and tissue specimens for direct mycological examination - Skin biopsy taking - Wood's light examination -Bacteriological swab -Trichogram	senior staff -Perform under supervision of senior staff	presentation - Log book - Chick list
E. Perform the following non invasive &invasive therapeutic procedures: - Comedo extraction - Simple suturing technique - Electric cauterization - Cryotherapy - Intralesional injection - Ultraviolet therapy(phototherapy and photochemotherapy): for vitiligo, psoriasis, alopecia areata, atopic dermatitis, mycosis fungoides and pruritis - Cutaneous electrosurgery - Laser therapy.	Clinical round with senior staff	
F. Carry out patient management plans for the following problems • Leprosy • Autoimmune connective tissue diseases • Bullous diseases: Mechanobullous and Immunobullous skin diseases • Naevi: vascular and others • Urticaria, eczema and atopic dermatitis • Mycosis fungoides and other cutaneous lymphomas • Skin tumours • Vitiligo and pigmentary disorders • Tuberculosis • Psoriasis • Ichthyosis and disorders of keratinization • Alopecia areata • Acne vulgaris and post acne scar • Skin aging		

G. Use information technology to support patient care decisions and patient education for the dermatology related conditions.		
H. Provide health care services aimed at preventing the following conditions - Skin infection - Genodermatoses - Cutaneous allergy - Cutaneous physical injury - Skin affection by nutritional or systemic disorders -Conditions predisposing to skin aging and malignancy		
I. Work with health care professionals, including those from other disciplines, to provide patient-focused care		
J. Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets.(Write a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and maintaining medical records)		

D-General Skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/Learning	Methods of Evaluation
A. Perform practice-based improvement activities using a systematic methodology in the common problems (plain and conduct audit cycles)	-Case log -Observation and supervision -Written & oral communication	Procedure/case presentation -Log book and Portfolios
B. Appraises evidence from scientific studies related to patients' health problems.	-Journal clubs - Discussions in seminars and clinical rounds	
C. Conduct epidemiological Studies and surveys		
D. Perform data management including data entry and analysis.		
E. Facilitate learning of junior students and other health care professionals.		

Interpersonal and Communication Skills

ILOs	Methods of teaching/ Learning	Methods of Evaluation
F. Maintain therapeutic and ethically sound relationship with patients	Simulations Clinical round Seminars Lectures Case presentation Hand on workshops	Global rating Procedure/case presentation Log book Portfolios Check list
G. Elicit information using effective nonverbal, explanatory, questioning, and writing skills		
H. Provide information using effective nonverbal, explanatory, questioning, and writing skills		
I. Work effectively with others as a member or leader of a health care team e.g. in labor ward		
J. Present a case in a common dermatological problem		
K. Write a report in a. Fungal skin diseases b. Cutaneous problems related various skin diseases		
L. Counsel and educate patients and their family about: • Various dermatological disorders • Dermatopathological examination of different skin diseases • Fungal skin diseases • Cutaneous cosmetic problems related various skin diseases • Dermatologic procedures.		

Professionalism

ILOs	Methods of teaching/Learning	Methods of Evaluation
M. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supersedes self-interest.	Observation Senior staff experience Case taking	1. Objective structured clinical examination 2. Patient survey
N. Demonstrate a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.		1. 360o global rating
O. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/learning	Methods of Evaluation
P. Work effectively in different health care delivery settings and systems.	Observation Senior staff experience	1. 360o global rating
Q. Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
R. Assist patients in dealing with system complexities		1. 360o global rating 2. Patient survey

4. Course contents (topic s/modules/rotation)
Course Matrix

Time Schedule: Second part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skill	General Skills
-Normal skin anatomy and histology	C	A	C	-
-Physiological functions of the skin in relation to its structure	A,B,D,E	A,B,D	A	-
-Diagnosis of skin diseases (excluding histopathology)	A-I	A-D	A-F	A,D,O
- Epidemiology of skin diseases	I	-	H,K	C
- skin diseases throughout life	A-I	A-D	A-F	A,C, D,O
-Racial influence on skin diseases	A-I	A-D	A-F	A,C,D,O
-Histopathology of the skin: General principles	C-E	A,B	C	J,K
-Molecular Biology	A-C	A,B	F,H	A,B
-Skin inflammation: Cells, molecules, mediators and their inter-relation	A-C	A,B	C	A
-Dermatologic immunology, allergy and photoimmunolgy: Pathogenesis and sequalae	A-C	A,B	F	A
-Wound healing and skin regeneration	A-C	A,B	F	A
-Genodermatoses: An introduction to genetics, prenatal diagnosis and selected syndromes	A-I	A-D	A,D, F-J	A-R
-Neonatal and pediatric dermatology	A-I	A-D	A-J	A-R
-Common naevi and developmental defects: Epidermal, dermal and vascular	A-I	A-D	A,D, F-J	A-R

-Pruritus: Pathway, mediators, modulators, situations and management	A-I	A-D	A, D-J	A-R
-Eczema, lichenification and prurigo	A-I	A-D	A, D-J	A-R
-Atopic dermatitis	A-I	A-D	A, D-J	A-R
-Contact dermatitis: Allergic, and irritant	A-I	A-D	A, D-J	A-R
-Occupational dermatoses	A-I	A-D	A, D-J	A-R
-Mechanical and thermal injury	A-I	A-D	A, D-J	A-R
-Reactions to cold	A-I	A-D	A, D-J	A-R
-Cutaneous photobiology: Basic principles, normal reactions, abnormal reactions, photodermatoses and phototherapy	A-I	A-D	A, D-J	A-R
-Viral infections: General pathology, herpes viruses, human papilloma virus, retrovirus, hepatitis viruses, HIV, Gianotti Crosti syndrome, pityriasis rosea and COVID19.	A-I	A-D	A-J	A-R
-Bacterial infections: Normal flora, gram positive, gram negative and anaerobic bacteria	A-I	A-D	A-J	A-R
-Mycobacterial infections: Tuberculosis	A-I	A-D	A-J	A-R
-Leprosy	A-I	A-D	A-J	A-R
- Mycology : Superficial , subcutaneous with their management	A-I	A-D	A-J	A-R
- Parasitic worms and protozoa : schistosomiasis , amebiasis and leishmaniasis	A-I	A-D	A-J	A-R
- Diseases caused by Arthropods and other Noxious	A-I	A-D	A-J	A-R

Animals: such as Scabies and pediculosis				
- Disorders of keratinization	A-I	A-D	A-J	A-R
-Psoriasis	A-I	A-D	A-J	A-R
-Bullous eruptions: · Immunobullous disorders · Mechanobullous disorders	A-I	A-D	A-J	A-R
-Lichen planus and lichenoid eruptions	A-I	A-D	A-J	A-R
-Sebaceous glands: Structure, function and diseases (including acne vulgaris, naevi and tumours)	A-I	A-D	A-J	A-R
-Rosacea, perioral dermatitis and similar dermatoses, Flushing and flushing syndromes	A-I	A-D	A-J	A-R
-Sweat glands: common disorders of both eccrine and apocrine glands	A-I	A-D	A-J	A-R
-Disorders of connective tissue: · Elastin · Collagen · Premature aging	A-I	A-D	A-J	A-R
-Erythemas: · Diffuse, localized, figurate, multiform and toxic · Erythroderma	A-I	A-D	A-J	A-R
-Urticaria and Mastocytosis	A-I	A-D	A-K	A-R
- Subcutaneous fat disorders	A-H	A-D	A-J	A-R
-Diseases of the Veins and Arteries, Leg ulcers	A-I	A-D	A-J	A-R
-Disorders of lymphatic vessels	A-I	A-D	A-J	A-R
-Purpura, microvascular occlusion and telangiectasia	A-I	A-D	A-J	A-R
-Cutaneous vasculitis, neutrophilic disorders and related disorders	A-H	A-D	A-J	A-R

-Necrobiotic disorders	A-H	A-D	A-G	A-R
-Histiocytosis	A-H	A-D	A-G	A-R
-Cutaneous lymphomas and lymphocytic infiltrations		A-D	A-G	A-R
-Autoimmune connective tissue diseases: · Lupus erythematosus · Scleroderma, mixed connective tissue disease and dermatomyositis · Lichen sclerosus, scleroedema, Sjogren's syndrome and rheumatoid disease	A-I	A-D	A-G	A-R
-Metabolic and nutritional diseases: · Porphyrias · Xanthomas and hyperlipidaemias · Amyloidosis · Mucinoses and disorders of amino acid metabolism · Angiokeratodermas, lipid proteinosis · Nutrition and the skin · Skin disorders in D.M	A-I	A-D	A-G	A-R
-Sarcoidosis	A,B	A-D	A-G	A-I
-Systemic diseases and the skin	A-I	A-D	A-G	A-R
-Psychocutaneous disorders	A-I	A-D	A-G	A-R
-The nails: Anatomy and nail disorders	A-I	A-D	A-G	A-R
-The hair: Anatomy and hair disorders	A-I	A-D	A-G	A-R
-Pregnancy related skin conditions	A-I	A-D	A-G	A-R
- Epidermal skin tumours: Common benign, premalignant and malignant	A-I	A-D	A-J	A-R
- Lentigos, Melanocytic naevi	A-I	A-D	A-J	A-R

and malignant melanoma				
- The melanocyte: · Biology, function and hypermelanosis · Disorders of skin colour · Vitiligo	A-I	A-D	A-J	A-R
- General aspects of treatment: · Systemic, local and others · Retinoids · Antifungal and antiviral drugs · Antibiotics and dapsone · Antihistaminics and antiallergic drugs · Immunosuppressive drugs · Immunomodulators: topical and systemic · sunscreens · Phototherapy and photodynamic therapy	A-I	A-D	A-J	A-R
-Drug reactions, erythema multiform, Steven-Johnson syndrome and Toxic epidermal Necrolysis	A-I	A-D	A-J	A-R
- Cutaneous tumors	A-I	A-D	A-J	A-R
- The oral cavity (mucosa and teeth disorders related to skin)	A-I	A-D	A-J	A-R
- Disorders relating skin and other body system as eye, ear, respiratory , genital and GIT	A-I	A-D	A-J	A-R
-General aspects of treatment	A-I	A-D	E-I	A-R
-Dermatological surgery	A-F	A-D	E-I	A-R
- Lasers and Flashlamps	A-F	A-D	E-I	A-R
-Radiotherapy and reaction to ionizing radiation	A-F	A-D	F,J	A-R
-Aging skin	A-I	A-D	A, D-J	A-R

5. Methods of teaching/learning

1. Didactic (lectures, seminars, tutorial)
2. Outpatient
3. Inpatient
4. Case presentation
5. Direct observation
6. journal club
7. Critically appraised topic.
8. Educational prescription
9. Clinical rounds
10. Clinical rotation in dermatological procedure units
11. Senior staff experience
12. Case log
13. Observation and supervision
14. Written & oral communications
15. Simulation
16. Hand on work shop
17. Service teaching
18. Perform under supervision of senior staff
19. Postgraduate teaching

6. Course Methods of teaching/learning: for students with poor achievements

1. Extra Didactic (lectures, seminars, tutorial) according to their needs
2. Extra training according to their needs

7. Course assessment methods

i. Assessment tools:

Oral examination
Clinical examination
Written examination
Objective structure clinical examination (OSCE)
Procedure/case Log book and Portfolios
Simulation
Record review (report)
Patient survey
Global rating

Check list evaluation of live or recorded performance

ii. Time schedule: 2nd part; 3-5 years

iii. Marks: 1200 (600 for written, 300 for oral and 300 for clinical).

8. List of references

i. Lectures notes

Hard or soft copies from lectures by staff members of the Dep. of Dermatology, Venereology & Andrology

ii. Essential books

-Andrews textbook of Dermatology 13th edition, 2019

iii. Recommended books

- Rook text book of Dermatology, 9th Edition, 2016

-Cosmetic Dermatology by Lesli Bauman 2nd edition, 2009 (waiting for the 3rd edition by the end of the year)

iv. Periodicals, Web sites, ... etc

- Journal of American Academy of Dermatology.
- British Journal of dermatology.
- Archive of Dermatology

v. others

Periodic Journal clubs and scientific meetings arranged in the Dep. of Dermatology, Venereology & Andrology.

9. Signatures

Course Coordinator:	Head of the Department:
	-
Date:	Date:

ANNEX 2

Program Academic Reference Standards (ARS)

1- Graduate attributes for master degree in Dermatology

The Graduate (after residence training and master degree years of study) must:

- 1- Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit in **Dermatology**.
- 2- Appraise and utilise scientific knowledge to continuously update and improve clinical practice in related **Dermatology**.
- 3- Acquire sufficient medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care in the field of **Dermatology**.
- 4- Provide patient care that is appropriate, effective and compassionate for dealing with common health problems and health promotion using evidence-based and updated information.
- 5- Identify and share to solve health problems in his speciality.
- 6- Acquire all competencies –including the use of recent technologies- that enable him to provide safe, scientific, and ethical and evidence based clinical care including update use of new technology in **Dermatology**.
- 7- Demonstrate interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.
- 8- Function as supervisor, and trainer in relation to colleagues, medical students and other health professions.
- 9- Acquire decision making capabilities in different situations related to **Dermatology**.
- 10- Show responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.

- 11-** Be aware of public health and health policy issues and share in system-based improvement of health care.
- 12-** Show appropriate attitudes and professionalism.
- 13-** Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in ***Dermatology*** or one of its subspecialties.

2- Competency based Standards for clinical master degree graduates in *dermatology*

2.1- Knowledge and understanding

By the end of the program, the graduate should demonstrate satisfactory knowledge and understanding of

2-1-A- Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problem and topics.

2-1-B- The relation between good clinical care of common health problems in the ***Dermatology*** and the welfare of society.

2-1-C- Up to date and recent developments in common problems related to ***Dermatology*** .

2-1-D- Ethical and medicolegal principles relevant to practice in ***Dermatology*** .

2-1-E -Quality assurance principles related to the good medical practice in

Dermatology.

2-1-F- Ethical and scientific basics of medical research.

2.2- Intellectual skills:

By the end of the program, the graduate should be able to demonstrate the following:

2-2-A- Correlation of different relevant sciences in the problem solving and management of common diseases of ***Dermatology***.

2-2-B- Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to ***Dermatology*** .

2.2- C- Demonstrating systematic approach in studying clinical problems relevant to ***Dermatology*** .

2-2-D- Making alternative decisions in different situations in ***Dermatology*** .

2.3- Clinical skills

By the end of the program, the graduate should be able to

2-3-A - Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

2-3-B- Demonstrate patient care skills relevant to ***Dermatology*** for patients with common diseases and problems.

2-3- C- Write and evaluate reports for situations related to the field of ***Dermatology***.

2.4- General skills

By the end of the program, the graduate should be able to

Competency-based outcomes for Practice-based Learning and Improvement

2-4-A- Demonstrate practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence,, improvements in patient care and risk management.

2-4-B- Use all information sources and technology to improve his practice.

2-4-C- Demonstrate skills of teaching and evaluating others.

Competency-based objectives for Interpersonal and Communication Skills

2-4-D- Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.

Competency-based objectives for Professionalism

2-4-E- Demonstrate professionalism behaviors, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

Competency-based objectives for Systems-based Practice

2-4-F- Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.

2-4-g- Demonstrate skills of effective time management.

2-4-H- Demonstrate skills of self and continuous learning

Annex 3, Methods of teaching/learning

Annex 3, Methods of teaching/learning

	Patient care	Medical knowledge	Practice-based learning/Improvement	Interpersonal and communication skills	Professionalism	Systems-based practice
Didactic (lectures, seminars, tutorial)	X	X		X	X	X
journal club,	X	X	X			
Educational prescription	X	X	X	X	X	X
Present a case (true or simulated) in a grand round	X	X	X	X	X	
Observation and supervision	X		X	X	X	X
Conferences		X	X	X		X
Written assignments	X	X	X	X	X	X
Oral assignments	X	X	X	X	X	X

Teaching methods for knowledge

- ❖ Didactic (lectures, seminars, tutorial)
- ❖ journal club
- ❖ Critically appraised topic
- ❖ Educational prescription (a structured technique for following up on clinical questions that arise during rounds and other venues).
- ❖ Present a case (true or simulated) in a grand round
- ❖ Others

Teaching methods for patient care

- ❖ Observation and supervision /Completed tasks procedure/case logs

- ❖ On-the-job” training without structured teaching is not sufficient for this skill (checklists).
- ❖ Simulation is increasingly used as an effective method for skill/teamwork training.

❖ **Teaching methods for other skills**

- ❖ Written communication (e.g., orders, progress note, transfer note, discharge summary, operative reports, and diagnostic reports).
- ❖ Oral communication (e.g., presentations, transfer of care, interactions with patients, families, colleagues, members of the health care team) and/or non verbal skills (e.g., listening, team skills)
- ❖ Professionalism, including medical ethics, may be included as a theme throughout the program curriculum that includes both didactic and experiential components (e.g., may be integrated into already existing small group discussions of vignettes or case studies and role plays, computer-based modules) and may be modeled by the faculty in clinical practice and discussed with the resident as issues arise during their clinical practice

Annex 4, Assessment methods

Annex 4, ILOs evaluation methods for Master Degree students.

Method	Practical Skills	K	Intellectual	General skills			
	Patient Care	K	I	Practice-based learning/Improvement	Interpersonal and communication skills	Professionalism	Systems-based practice
Record review	X	X	X		X	X	X
Checklist	X				X		
Global rating	X	X	X	X	X	X	X
Simulations	X	X	X	X	X	X	
Portfolios	X	X	X	X	X		
Standardized oral examination	X	X	X	X	X		X
Written examination	X	X	X	X			X
Procedure/case log	X	X					
OSCE	X	X	X	X	X	X	X

- ❖ Record Review – Abstraction of information from patient records, such as medications or tests ordered and comparison of findings against accepted patient care standards.
- ❖ Chart Stimulated Recall – Uses the MSc doctor's patient records in an oral examination to assess clinical decision-making.
- ❖ Mini clinical evaluation: Evaluation of Live/Recorded Performance (single event) – A single resident interaction with a patient is evaluated using a checklist. The encounter may be videotaped for later evaluation.
- ❖ Standardized Patients (SP) – Simulated patients are trained to respond in a manner similar to real patients. The standardized patient can be trained to rate MSc doctor's performance on checklists and provide feedback for history taking, physical examination, and communication skills. Physicians may also rate the MSc doctor's performance.
- ❖ Objective Structured Clinical Examination (OSCE) – A series of stations with standardized tasks for the MSc doctors to perform. Standardized

patients and other assessment methods often are combined in an OSCE. An observer or the standardized patient may evaluate the MSc doctors.

- ❖ Procedure or Case Logs – MSc doctors prepare summaries of clinical experiences including clinical data. Logs are useful to document educational experiences and deficiencies.
- ❖ PSQs – Patients fill out Patient Survey questionnaires (PSQs) evaluating the quality of care provided by a MSc doctors.
- ❖ Case /problems – assess use of knowledge in diagnosing or treating patients or evaluate procedural skills.
- ❖ Models: are simulations using mannequins or various anatomic structures to assess procedural skills and interpret clinical findings. Both are useful to assess practice performance and provide constructive feedback.
- ❖ 360 Global Rating Evaluations – MSc doctors, faculty, nurses, clerks, and other clinical staff evaluate MSc doctors from different perspectives using similar rating forms.
- ❖ Portfolios – A portfolio is a set of project reports that are prepared by the MSc doctors to document projects completed during the MSc study years. For each type of project standards of performance are set. Example projects are summarizing the research literature for selecting a treatment option, implementing a quality improvement program, revising a medical student clerkship elective, and creating a computer program to track patient care and outcomes.
- ❖ Examination MCQ – A standardized examination using multiple-choice questions (MCQ). The in-training examination and written board examinations are examples.
- ❖ Examination Oral – Uses structured realistic cases and patient case protocols in an oral examination to assess clinical decision-making.

- ❖ Procedure or Case Logs – MSc doctors prepare summaries of clinical experiences including clinical data. Logs are useful to document educational experiences and deficiencies.
- ❖ PSQs – Patients fill out Patient Survey questionnaires (PSQs) evaluating the quality of care provided by MSc doctors.

Annex 5, Program evaluation tools

By whom	Method	Sample
Quality Assurance Unit	Reports Field visits	#
External Evaluator (s):According to department council External Examiner (s): According to department council	Reports Field visits	#
Stakeholders	Reports Field visits Questionnaires	#
Senior students	Questionnaires	#
Alumni	Questionnaires	#

Annex 6, Program Correlations:

I-General Academic Reference Standards (GARS) versus Program ARS

1- Graduate attributes

Faculty ARS	NAQAEE General ARS for Postgraduate programs
1- Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit in <i>Dermatology</i> .	١- إجادة تطبيق أساسيات و منهجيات البحث العلمي واستخدام أدواته المختلفة
2- Appraise and utilise scientific knowledge to continuously update and improve clinical practice in <i>Dermatology</i> .	٢- تطبيق المنهج التحليلي واستخدامه في مجال التخصص
3- Acquire sufficient medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care in <i>Dermatology</i> .	٣- تطبيق المعارف المتخصصة ودمجها مع المعارف ذات العلاقة في ممارسته المهنية
4- Provide patient care that is appropriate, effective and compassionate for dealing with common health problems and health promotion using evidence-based and update information.	٤- إظهار وعيا بالمشاكل الجارية و الرؤى الحديثة في مجال التخصص
5- Identify and share to solve health problems in <i>Dermatology</i> .	٥- تحديد المشكلات المهنية و إيجاد حلول لها
6- Acquire all competencies that enable him to provide safe, scientific, ethical and evidence based clinical care including update use of new technology in <i>Dermatology</i> .	٦- إتقان نطاق مناسب من المهارات المهنية المتخصصة، واستخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية
7- Demonstrate interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.	7- التواصل بفاعلية و القدرة على قيادة فرق العمل
8- Function as supervisor, and trainer in relation	

to colleagues, medical students and other health professions.	
9- Acquire decision making capabilities in different situations related to <i>Dermatology</i> .	٨- اتخاذ القرار في سياقات مهنية مختلفة
10- Show responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.	٩- توظيف الموارد المتاحة بما يحقق أعلى استفادة و الحفاظ عليها
11- Be aware of public health and health policy issues and share in system-based improvement of health care.	١٠- إظهار الوعي بدوره في تنمية المجتمع و الحفاظ على البيئة في ضوء المتغيرات العالمية و الإقليمية
12- Show appropriate attitudes and professionalism.	١١- التصرف بما يعكس الالتزام بالنزاهة و المصداقية و الالتزام بقواعد المهنة
13- Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in <i>Dermatology</i> & or one of its subspecialties.	١٢- تنمية ذاته أكاديميا و مهنيا و قادرا علي التعلم المستمر

2. Academic standards

Faculty ARS	NAQAEE General ARS for Postgraduate programs
2.1.A -Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problems and topics.	١-٢-أ- النظريات و الأساسيات المتعلقة بمجال التعلم وكذا في المجالات ذات العلاقة.
2.1.B- The relation between good clinical care of common health problems in and the welfare of society.	١-٢-ب- التأثير المتبادل بين الممارسة المهنية وانعكاسها علي البيئة.
2.1. C- Up to date and recent developments in common problems related to <i>Dermatology</i> .	١-٢-ج- التطورات العلمية في مجال التخصص.
2.1. D- Ethical and medicolegal principles relevant to practice in the <i>Dermatology</i> .	١-٢-د- المبادئ الأخلاقية و القانونية للممارسة المهنية في مجال التخصص.
2.1. E-Quality assurance principles related to the good medical practice in <i>Dermatology</i> .	١-٢-هـ- مبادئ و أساسيات الجودة في الممارسة المهنية في مجال التخصص
2.1. F- Ethical and scientific basics of medical research	١-٢-و- أساسيات وأخلاقيات البحث العلمي
2.2. A-Correlation of different relevant sciences in the problem solving and management of common diseases of <i>Dermatology</i> . 2.2. B- Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to <i>Dermatology</i> .	٢-٢-أ- تحليل و تقييم المعلومات في مجال التخصص والقياس عليها لحل المشاكل
2.2. B- Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to <i>Dermatology</i> .	٢-٢-ب- حل المشاكل المتخصصة مع عدم توافر بعض المعطيات
2.2. A-Correlation of different relevant sciences in the problem solving and management of common diseases of <i>Dermatology</i> .	٢-٢-ج- الربط بين المعارف المختلفة لحل المشاكل المهنية
2.2. C- Demonstrating systematic approach in studying clinical problems relevant	٢-٢-د- إجراء دراسة بحثية و /أو كتابة دراسة علمية

to the <i>Dermatology</i> .	منهجية حول مشكلة بحثية
2.4.A-Demonstrate practice-based learning and Improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management	٢-٢هـ - تقييم المخاطر في الممارسات المهنية في مجال التخصص
2.4.A-Demonstrate practice-based learning and Improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of improvements in scientific evidence, patient care and risk management	٢-٢و - التخطيط لتطوير الأداء في مجال التخصص
2.2.D- Making alternative decisions in different situations in the field of <i>Dermatology</i> .	٢-٢ز - اتخاذ القرارات المهنية في سياقات مهنية متنوعة
2.3.A- provide patient care that compassionate , appropriate, and effective for the treatment of health problems and the promotion of health. 2.3.B- Demonstrate patient care skills relevant to <i>Dermatology</i> & for patients with common diseases and problems.	٢-٣أ - إتقان المهارات المهنية الأساسية و الحديثة في مجال التخصص
2.3.C- Write and evaluate reports for situation related to <i>Dermatology</i>	٢-٣ب - كتابة و تقييم التقارير المهنية
2.3.A- provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. 2.3.B- Demonstrate patient care skills relevant to that <i>Dermatology</i> for patients with common diseases and problems.	٢-٣ج - تقييم الطرق و الأدوات القائمة في مجال التخصص
2.4.D- Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families,	٢-٤أ - التواصل الفعال بأنواعه المختلفة

and other health professionals.	
2.4.A-Demonstrate practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management 2.4.B- Use all information sources and technology to improve his practice	٢-٤-ب- استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية
2.4.A-Demonstrate practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management 2.4.B- Use all information sources and technology to improve his practice. 2.4.E-Demonstrate professionalism behavior, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.	٢-٤-ج- التقييم الذاتي وتحديد احتياجاته التعليمية الشخصية
2.4.A-Demonstrate practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, , improvements in patient care and risk management.	٢-٤-د- استخدام المصادر المختلفة للحصول على المعلومات و المعارف
2.4. C- Demonstrate skills of teaching and evaluating others.	٢-٤-هـ- وضع قواعد ومؤشرات تقييم أداء الآخرين
2.4. F- Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.	٢-٤-و- العمل في فريق ، وقيادة فرق في سياقات مهنية مختلفة
2.4.G- Demonstrate skills of effective time management.	٢-٤-ز- إدارة الوقت بكفاءة

2.4.H- Demonstrate skills of self and continuous learning.

٢-٤-ح- التعلم الذاتي و المستمر

Comparison between ARS and ILOS for master degree in Dermatology

ARS

ILOs

<u>2-1- Knowledge and understanding</u> 2-1-A- Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problem and topics.	<u>2-1- Knowledge and understanding</u> 2-1-A- Explain the essential facts and principles of relevant basic sciences including , pathology,physiology , microbiology mycology and immunology related to <i>Dermatology</i> . 2-1-B- Mention <u>essential facts</u> of clinically supportive sciences including Basics of internal medicine, plastic surgery and psychiatry related to <i>Dermatology</i> . 2-1-C- Demonstrate sufficient knowledge of etiology, clinical picture, diagnosis, prevention and treatment of the common diseases and situations related to <i>Dermatology</i> .
2-1-B The relation between good clinical care of common health problem in the <i>Dermatology</i> and the welfare of society.	2-1-H- State the impact of common health problems in the field of <i>Dermatology & Venereology</i> on the society and how good clinical practice improve these problems.
2-1-C- Up to date and recent developments in common problems related to the field of <i>Dermatology</i>	2-1-C- Demonstrate sufficient knowledge of etiology, clinical picture, diagnosis, prevention and treatment of the common diseases and situations related to <i>Dermatology</i> . 2-1-D- Give the recent and update developments in the pathogenesis, diagnosis, prevention and treatment of common diseases related to <i>Dermatology</i>.
2-1-D- Ethical and medicolegal Principles relevant to practice in the <i>Dermatology</i> field.	2-1-E- Mention the basic ethical and medicolegal principles that should be applied in practice and are relevant to the field of <i>Dermatology</i> .
2-1-E-Quality assurance principles related to the good medical practice in the <i>Dermatology</i> field.	2-1-F- Mention the basics and standards of quality assurance to ensure good clinical practice in the field of <i>Dermatology</i> .
2-1-F- Ethical and scientific basics of medical research	2-1-G- Mention the ethical and scientific principles of medical research methodology.

<u>2-2- Intellectual skills:</u>	<u>2-2- Intellectual skills:</u>
2-2-A- Correlation of different relevant sciences in the problem solving and management of common diseases of the <i>Dermatology</i> .	2-2-A- Correlate the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases of the <i>Dermatology</i> .
2-2-B- Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to <i>Dermatology</i> .	2-2-B- Demonstrate an investigatory and analytic thinking approach (problem solving) to common clinical situations related to <i>Dermatology</i> .
2-2-C- Demonstrating systematic approach in studying clinical problems relevant to the <i>Dermatology</i> field.	2-2-C- Design and /or present a case or review (through seminars/journal clubs.) in one or more of common clinical problems relevant to the <i>Dermatology</i> field.
2-2-D Making alternative decisions in different situations in the field of the <i>Dermatology</i> .	2-2-D- Formulate management plans and alternative decisions in different situations in the field of <i>Dermatology</i> .

Continuous ARS	continuous ILOs
<u>2-3- Clinical skills:</u> 2-3-A- Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. 2-3-B- Demonstrate patient care skills relevant to that <i>Dermatology</i> for patients with common diseases and problems.	<u>2/3/1/Practical skills (Patient Care :)</u> 2-3-1-A- Obtain proper history and examine patients in caring and respectful behaviors. 2-3-1-B- Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment for common conditions related to <i>Dermatology</i> . 2-3-1-C- Carry out patient management plans for common conditions related to <i>Dermatology</i> . 2-3-1-D- Use information technology to support patient care decisions and patient education in common clinical situations related to <i>Dermatology</i> . 2-3-1-E- Perform competently non invasive and invasive procedures considered essential for the <i>Dermatology</i> . 2-3-1-F- Provide health care services aimed at preventing health problems related to <i>Dermatology</i> . 2-3-1-G- Provide patient-focused care in common conditions related to <i>Dermatology</i> & <i>Venereology</i> while working with health care professionals, including those from other disciplines.
2-3-C- Write and evaluate reports for situations related to the field of	-3-1-H Write competently all forms of patient charts and sheets including reports evaluating these

<i>Dermatology</i> .	charts and sheets. (Write a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and maintaining medical records).
<u>2-4- General skills</u> 2-4-A- Demonstrate practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management	<u>2/3/2 General skills</u> 2-3-2-A- Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks). 2-3-2-B- Appraises evidence from scientific studies. 2-3-2-C- Conduct epidemiological studies and surveys.
2-4-B- Use all information sources and technology to improve his practice.	2-3-2-C- Conduct epidemiological studies and surveys. 2-3-2-D. Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.
2-4-C- Demonstrate skills of teaching and evaluating others.	2-3-2-E- Facilitate learning of students other health care professionals including their evaluation and assessment.
2-4-D- Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.	2-3-2-F- Maintain therapeutic and ethically sound relationship with patients. 2-3-2-G- Elicit information using effective nonverbal, explanatory, questioning, and writing skills. 2-3-2-H- Provide information using effective nonverbal, explanatory, questioning, and writing skills. 2-3-2-I- Work effectively with others as a member of a health care team or other professional group.

2-4-E-Demonstrate professionalism behaviors, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.	2-3-2-J- Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society. 2-3-2-K- Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices. 2-3-2-L-Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities
2-4-F- Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.	2-3-2-M-Work effectively in relevant health care delivery settings and systems including good administrative and time management 2-3-2-N- Practice cost-effective health care and resource allocation that does not compromise quality of care. 2-3-2-O- Assist patients in dealing with system complexities.
2-4-G- Demonstrate skills of effective time management	2-3-2-M-Work effectively in relevant health care delivery settings and systems including good administrative and time management
2-4-H- Demonstrate skills of self and continuous learning.	2-3-2-A- Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).

III-Program matrix
Knowledge and Understanding

Course	Program covered ILOs							
	2/1/A	2/1/B	2/1/C	2/1/D	2/1/E	2/1/F	2/1/G	2/1/H
Course 1: Pathology	✓							
Course 2: Physiology & Microbiology, Mycology and Immunology	✓							
Course 3 : Internal medicine	✓	✓	✓	✓	✓	✓	✓	✓
Course 4: Plastic surgery		✓	✓					
Course5: Psychiatry		✓	✓					
Course 6: Dermatology	✓	✓	✓	✓	✓	✓	✓	✓

Course	Program covered ILOs			
	2/2/A	2/2/B	2/2/C	2/2/D
Course 1: Pathology	✓		✓	
Course 2: Physiology & Microbiology, Mycology and Immunology	✓		✓	
Course 3 : Internal medicine	✓	✓	✓	✓
Course 4: plastic surgery	✓		✓	✓
Course 5: Psychiatry	✓	✓		
Course 6: Dermatology	✓	✓	✓	✓

Practical Skills (Patient Care)

Course	Program covered ILOs							
	2/3/1/ A	2/3/1/ B	2/3/1/ C	2/3/1/ D	2/3/1/ E	2/3/1/ F	2/3/1/ G	2/3/1/ H
Course 1: Pathology								
Course 2:Physiology & Microbiology, Mycology and Immunology								
Course 3 : Internal medicine	✓	✓	✓				✓	
Course 4: plastic surgery	✓	✓	✓		✓			
Course 5: Psychiatry	✓	✓	✓	✓	✓			
Course 6: Dermatology	✓	✓	✓	✓	✓	✓	✓	✓

General Skills

Course	Program covered ILOs							
	2/3/2 /A	2/3/2/ B	2/3/2/ C	2/3/2/ D	2/3/2/ E	2/3/2/ F	2/3/2/ G	2/3/2/ H
Course 1: Pathology		✓		✓	✓		✓	✓
Course 2: Physiology & Microbiology, Mycology and Immunology		✓		✓	✓		✓	✓
Course 3 : Internal medicine	✓	✓	✓	✓	✓	✓	✓	✓
Course 4: plastic surgery	✓	✓	✓	✓		✓	✓	✓
Course 5: Psychiatry		✓		✓	✓		✓	✓
Course 6: Dermatology	✓	✓	✓	✓	✓	✓	✓	✓

General Skills

Course	Program covered ILOs						
	2/3/2/I	2/3/2/J	2/3/2/K	2/3/2/L	2/3/2/M	2/3/2/N	2/3/2/O
Course 1: Pathology		✓		✓	✓		
Course 2: Physiology & Microbiology, Mycology and Immunology		✓		✓	✓		
Course 3 : Internal medicine	✓	✓	✓	✓	✓	✓	✓
Course 4: Plastic surgery	✓	✓	✓	✓	✓	✓	✓
Course 5: Psychiatry		✓		✓	✓		
Course 6: Dermatology	✓	✓	✓	✓	✓	✓	✓

Annex 7, Additional information:

Annex 7 Additional Information

*** Staff members:**

Dermatology, Venereology and Andrology Department			
Academic degree	Members	Mobile	Home Tel
Head of Department			
	Prof. Dr. Eman Riad Mohamed		
Dermatology, Venereology and Andrology Department			
Professor	Insaf Mohamed Abdel-Majid Khalil		
Professor	Alaa El-Din Hasan Abdel-Aal Hasan Mobasher		
Professor	Nagwa Issa Abdel-Azim Salim		
Professor	Azza Mahfouz Abdel-Majeed Fahmy		
Professor	Hatem Zidan Mohamed Abdel-Razek		
Professor	Mohamed Issam El-Din Mohamed Ali		
Professor	Eman Riad Mohamed Hanafy Othman		
Professor	Dalia Abdel-Aziz Ahmed Atallah		
Professor	Sahar Abdel-Moez Ahmed Ismail		
Professor	Ali Mohamed Abdel-Rahman Mahran		
Professor	Emad El-Din Kamal Ibrahim		
Professor	Emad Abdel-Rahim Taha Obeid		
Professor	Doaa Samir Sayed Mohamed Abdel-Kader		
Associate Professor	Fathia Ali Ibrahim		
Associate Professor	Hisham Zian		
Associate Professor	Iman Mohamed Kamal El-Sayed Yousef		
Associate Professor	Hisham Diab Gaber Diab		
Associate Professor	Amira Ali Abdel-mottaleb Hussein		
Associate Professor	Hanan Ahmed Morsy Abdel-Jalil		
Associate Professor	Sara Mohamed Ibrahim Ahmed Awad		
Associate Professor	Ayman Mohamed Mahran		

Associate Professor	Reham Maher Abdel-Gabr Abdel-Nasser		
Associate Professor	Doaa Ahmed El-Sayed Abo Taleb		
Associate Professor	Radwa Mohammed Abdel-Moneim Bakr		
Associate Professor	Yasmin Mostafa Tawfik		
Associate Professor	Aya Yousef Badran		
Lecturer	Osama Mohamed Hasan		
Lecturer	Ahmed Abdel-Aal Abdel-Majid Abdel-Aal		
Lecturer	Howida Omar Towisy		
Lecturer	Rofaida Refaat		
Lecturer	Amr Alaa-Eldin Mobasher		
Lecturer	Marwa Mohammad Mekkawy		
Lecturer	Ahmed Mahmoud Abd Ellah		
Lecturer	Eman Fathy Ahmed		
Lecturer	Heba Hasan Sayed		

Program Time Table ^{\$}																																					
Course/ Module Title/ILOs	1 st year												2 nd year												3 rd year												
	1 st 6 months						2 nd 6 months						1 st 6 months						2 nd 6 months						1 st 6 months						2 nd 6 months						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
Modules Basic Sciences ILOs																																					
Dermatolo gy																																					
Thesis																																					

^{\$} mark and/or color the cells as appropriate according to different modules (courses) teaching methods and requirements

(End of the program specification)