Medical Doctorate (M.D.) 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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M. D. degree of Dermatology

A. Basic Information

- **Program Title: M.D of Dermatology**
- **Nature of the program: Single.**
- **Responsible Department: Department of dermatology, venereology and andrology-Faculty of medicine- Assiut University-Egypt**
- **Program Academic Director (Head of the Department): Prof. Eman Ryad Mohamed**
- **Coordinator (s):**
  - **Principle coordinator: Prof. Azza Mahfouz**
  - **Assistant coordinator (s): Dr. Amira Ali Abdel Motaleb**
    Dr. Doaa Samir
    Dr. Sara Awad
    Dr. Yasmin Tawfik
    Dr. Heba Hasan
- **Internal evaluators: Prof. Nagwa Essa, Prof. Hatem Zedan**
- **External evaluator: Prof. Essam 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: 8 courses**

  First part: 5 courses
  Second part: 1 course,
  Elective courses: two courses.

B. Professional Information

1- Program aims

1/1) To Enable the candidates to keep with the international standards of patient care by achieving high competence levels of:

- a- Clinical skills.
- b- Patient care skills.
- c- Simple surgical maneuvers such as; skin biopsy, laser, microdermabasion and chemical peeling.

1/2) Enable them to start professional careers as consultant in Egypt.

1/3) Make them recognized as consultant abroad.

1/4) Enable them to pursue higher studies and degrees.

1/5) To enable candidates to perform high standard scientific medical research and how to proceed with publication in indexed medical journals.

1/6) Enabling them to continue self learning in subspecialties.

1/7) Enabling them to master different research methodology and do their own.

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

2/1Knowledge and understanding:

A. Demonstrate in-depth knowledge and understanding of theories, basics and updated biomedical, clinical epidemiological and socio – behavioral science relevant to his Speciality as well as the evidence – based application of this knowledge to patient care.

B. Explain basics, methodology, tools and ethics of scientific medical, clinical research.

C. Mention ethical, medico logical principles and bylaws relevant to his practice in the field of dermatology

D. Mention principles and measurements of quality assurance and quality improvement in medical education and in clinical practice of the concerned Speciality.
E. Mention health care system, public health and health policy, issues relevant to this Speciality and principles and methods of system – based improvement of patient care in common health problems of the field of dermatology

2/2 Intellectual outcomes

A. Apply the basic and clinically supportive sciences which are appropriate to the Speciality related conditions / problem / topics.
B. Demonstrate an investigatory and analytic thinking "problem – solving "approaches to clinical situation related to Speciality.
C. Plan research projects.
D. Write scientific papers.
E. Participate in clinical risk management as a part of clinical governance.
F. Plan for quality improvement in the field of medical education and clinical practice in his Speciality.
G. Create / innovate plans, systems, and other issues for improvement of performance in his practice.
H. Present and defend his / her data in front of a panel of experts.
I. Formulate management plans and alternative decisions in different situations in the field of the Speciality.

2/3 Skills

2/3/1 Practical skills (Patient Care)

A. Provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. ***p.s.*** Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice.

B. provides extensive level of patient care for patients with all common diagnoses and for uncomplicated procedures related to dermatology.

C. provides extensive level of patient care for non-routine, complicated patients and under increasingly difficult circumstances, while demonstrating compassionate, appropriate and effective care.

D. Perform diagnostic and therapeutic procedures considered essential in the field of dermatology.

E. Handles unexpected complications, while demonstrating compassion and sensitivity to patient needs and concerns.

F. Communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families in the dermatology related situations**.**

G, Gather essential and accurate information about patients of the dermatology related conditions.

H. Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence and clinical judgment for the dermatology related conditions.

I. Develop and carry out patient management plans for dermatology related conditions.

J. Counsel and educate patients and their families about dermatology related conditions.

K. Use information technology to support patient care decisions and patient education in all dermatology related clinical situations.

L. Perform competently all medical and invasive procedures considered essential for the dermatology related conditions / area of practices.

M. Provide health care services aimed at preventing the dermatology related health problems.

N. Lead health care professionals, including those from other disciplines, to provide patient-focused care in dermatology related conditions**.**

O. Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets. (Write and evaluate a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and evaluating comprehensive, timely and legible medical records)

2/3/2 General skills

Including:

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

Practice-Based Learning and Improvement

A. Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field
B. Appraise scientific evidence.
C. Continuously improve patient care based on constant self-evaluation and life-long learning.
D. Participate in clinical audit and research projects.
E. Practice skills of evidence-based Medicine (EBM).
F. Educate and evaluate students, residents and other health professionals.
G. Design logbooks.
H. Design clinical guidelines and standard protocols of management.

I. Appraise evidence from scientific studies related to the patients' health problems.
J. Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.
K. Use information technology to manage information, access on-line medical information; for the important topics.

Interpersonal and Communication Skills

L. Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:-
- Present a case.
- Write a consultation note.
- Inform patients of a diagnosis and therapeutic plan completing and maintaining comprehensive.
- Timely and legible medical records.
- Teamwork skills.

M. Create and sustain a therapeutic and ethically sound relationship with patients.
N. Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.
O. Work effectively with others as a member or leader of a health care team or other professional group.

Professionalism

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

Systems-Based Practice

S. Work effectively in health care delivery settings and systems related to Speciality including good administrative and time management.

T. Practice cost-effective health care and resource allocation that does not compromise quality of care.

U. Advocate for quality patient care and assist patients in dealing with system complexities.

V. Design, monitor and evaluate specification of under and post graduate course and programs.

W. Act as a chair man for scientific meetings including time management.

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

Academic standards for Medical Doctorate (MD) degree in Dermatology

Assiut Faculty of Medicine developed MD 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 20/ 3/2010. 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. American Board Of Dermatology
3. University of Michigan Health System , Dermatology and Dermatopathology fellowships program (http://www.med.umich.edu/derm/education/dermpathfel.shtml)

Comparison between program and external reference		
Item	**MD Dermatology program**	**University of Michigan Health System , Dermatology and Dermatopathology fellowships program**
Goals	Matched	Matched
ILOS	Matched	Matched
Duration	4-6 years	3 years
Requirement	Different	Different
Program structure	Different	Different
Out patient skills	Gained as part of Dermatology as a separate course.	Gained as part of Dermatology and Dermatopathology as a separate course.

5- Program Structure

A. Duration of program: 4-6 years
B. Structure of the program:
Total number of credit points: = 420 CP
Master degree: 180 credit point
Didactic #: 37 (23.1%), practical 123 (76.9%), total 160 CP
Thesis and researches: 80 CP (33.3%)

First part
Didactic 10 (100%), practical 0 (0 %), total 10 CP
Second part
Didactic 24, (16.3 %), practical 123 (83.7 %), total 147 CP
Elective courses: 3 credit points
#Didactic (lectures, seminars, tutorial)

According the currently applied bylaws:
Total courses: 160 credit point
Compulsory courses: 157 credit point (98.1%)
Elective courses: 3 credit point (1.9%)

	Credit point	% from total
Basic science courses	10	4.1%
Humanity and social courses	3	1.2%
Speciality courses	147	61.3%
Others (Computer, …)	-	0
Field training	123	51.3%
Thesis	40	16.7%
2 published researches	40	16.7%
Master degree	180	

C- Program Time Table

Duration of program 4 years divided into

- Part 1

Program-related basic science courses

Program-related basic science courses

- Medical statistic
- Research methodology
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
- Basic Dermatology
- Dermatopathology

Students are allowed to sit the exams of these courses after 6 months from applying to the M D degree.

Students are allowed to sit the exams of the remaining basic science courses after 12 months from applying to the MD degree.

Thesis and 2 published researches

For the M D thesis;

MD thesis subject should be officially registered within 1 year from application to the MD degree,

Discussion and acceptance of the thesis should not be set before 24 months from registering the M D subject;

It could be discussed and accepted either before or after passing the second part of examination

- Part 2

Program –related speciality courses and ILOs
Students are not allowed to sit the exams of these courses before 4 years from applying to the MD degree.

Two elective courses can be set during either the 1st or 2nd parts.

The students pass if they get 50% from the written exams and 60% from oral exams, 60% from clinical /practical exams of each course and 60% of summation of the written exams, oral and clinical/practical exams of each course
Total degrees 1700 marks.
500 marks for first part
1200 for second part
Written exam 40% - 70%.
Clinical/practical and oral exams 30% - 60%.

D- Curriculum Structure: (Courses):

Levels and courses of the program:

Courses and student work load list	Course Code	Core Credit points		
		Lectures	Training	total
First Part				
Basic science Courses (10 CP)				
1) Course 1: Medical statistics	**FAC309A**	1	-	1
2) Course 2: Research methodology	**FAC309B**	1	-	1
3) Course 3: Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	**FAC309C**	1	-	1
4) Course 4: Basic Dermatology	**DER321A**	3.5	-	3.5
5) Course 5: Dermatopathology	**DER321B**	3.5	-	3.5
Elective courses*	3 CP			
- Elective course 1 - Elective course 2				
Thesis	40 CP			
Published researches**	40 CP			
Second Part	Speciality courses 24 CP Speciality Clinical Work (log Book) 123 CP			
Speciality Courses 1) Course 6 Advanced Dermatology	**DER321C**	24		
Speciality Clinical Work (123 CP)			123	
Total of second part		**147**		

#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#:

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management

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

3. Thesis / Researches:

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

**Another 40 points are appointed to acceptance or publication of one research from the thesis in international indexed medical journals or publication of 2 researches from the thesis in local specialized medical journals.

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

Annex 6 II: Program Matrix

7-Admission requirements

- **Admission Requirements (prerequisites) if any :**
  - **I. General Requirements:**
    - **Master degree in Dermatology, Venereology and Andrology**
    - **Master dergree in Dermatology**
  - **II. Specific Requirements:**
    - **Fluent in English (study language).**

-VACATIONS AND STUDY LEAVE

The current departmental policy is to give working residents 2/4 week 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 (Medical statistic, Research methodology and Medicolegal Aspects and Ethics in Medical Practice and Scientific Research) could be set at 6 months from registering to the MD degree.
- Students are allowed to sit the exams of the remaining essential courses of the first part after 12 months from applying to the MD degree.
- Examination of the second part cannot be set before 4 years from registering to the degree.
- Discussion of the MD thesis could be set after 2 years from officially registering the MD subject, either before or after setting the second part exams.
- The minimum duration of the program is 4 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 MD thesis.
4. Acceptance or publication of one research from the thesis in international indexed medical journals or publication of 2 researches from the thesis in local specialized medical journals.

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			
Courses	**Course code**	**Written Exam**	**Oral ***	**Practical / Clinical Exam**	**Total**
First Part					
Basic science Courses:					
Medical Statistics	FAC309A	35	15	-	50
Research Methodology	FAC309B	35	15	-	50
Medicolegal Aspects & Ethics in Medical Practice and Scientific Research	FAC310C	35	15	-	50
Basic Dermatology	DER321A	70	105	-	175
Dermatopathology	DER321B	70	60	45	175
Total of the first part					500
Second Part					
	Course code	written	oral	clinical	total
Speciality Courses: Course 6: Advanced Dermatology	DER321C	600 (4 papers 3 hours foreach=150 marks)	300	300	1200
Total of the second part		600	300	300	1200
Elective course 1		50	50		100
Elective course 2		50	50		100

* 25% of the oral exam for assessment of logbook

Total degree 1900

500 marks for first part

1200 for second part

Written exam 50% (600 marks).

Clinical/practical and oral exams 50% (600 marks)

Examination system:

First part:

- Written exam 2 hours in Medical Statistics and Research Methodology + oral examination
- Written exam 1 hours in Medicolegal Aspects and Ethics in Medical Practice and Scientific Research + oral examination
- Written exam 2 hours in Basic Dermatology + oral examination
- Written exam 2 hours in Dermatopathology + oral and clinical examination

Second part:

- Written exam 12 hours in Dermatology in 4 papers; three hours for each + oral and clinical examination.

Elective courses

- Written exam one paper 1 hour in Elective course 1 + Oral & Practical exam
- Written exam one paper 1 hour in Elective course 2 + 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	#

#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. Azza Mahfouz Abdel-Maguid**		
▪ **Head of the Responsible Department (Program Academic Director):**	**Prof. Dr. Eman Ryad Mohamed**		

Annex 1, Specifications for Courses / Modules

Annex 1: specifications for courses/ modules

Course 1: Medical statistics

Name of department: Public Health and Community Medicine
Faculty of medicine
Assiut University
2022-2023

1. Course data

- **Course Title: Medical statistics**
- **Course code: FAC309A**
- **Specialty: offered to all clinical and academic specialties**
- **Number of credit points: 1 credit point**
- **Department (s) delivering the course:** Pubic Health and Community Medicine
- **Coordinator (s):**
  - Course coordinator: Prof. Farag Mohammed Moftah
  - Assistant coordinator (s): Prof. Medhat Araby Khalil Saleh
- Date last reviewed: January -2022
- **Requirements (pre-requisites) if any:**
  - Completed Master degree in any of the academic or clinical departments of Medicine.

2. Course Aims

Enable gradute students to use statistical principles to improve their professional work and develop the concept of critical interpretation of data

3. Intended learning outcomes (ILOs):To be able to use statistical principals to manage data

A knowledge and understanding

ILOS	Methods of teaching/ learning	Methods of Evaluation
A. List the types of variables	Lecture and discussion	Written examination
B. Identify the methods of data collection	Lecture and discussion	Written examination
C. Describe the different sampling strategies	Lecture and discussion	Written examination
D. Identify types of tabular and graphic presentation of data	Lecture and discussion	Written examination
E. Identify measures of central tendency and dispersion	Lecture and discussion	Written examination
F. Identify the characters of normal distribution curve.	Lecture and discussion	Written examination
G. Detect the difference between parametric and non-parametric tests	Lecture and discussion	Written examination
H. Identify the concepts of correlation and regression	Lecture and discussion	Written examination

B. intellectual

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Describe the normal curves.	Lecture& Discussions	Written examination
B. Describe and summarize data	Lecture& Discussions	Written examination
C. Select the proper test of significance	Lecture& Discussions	Written examination
D. Interpret the proper test of significance	Lecture& Discussions	Written examination
E. Describe the difference between parametric and non-parametric tests	Lecture& Discussions	Written examination

C. Practical skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Design data entry files.	Tutorial on SPSS	Assignments SPSS exam
B. Validate data entry.	Tutorial on SPSS	Assignments SPSS exam
C. Manage data files.	Tutorial on SPSS	Assignments SPSS exam
D. Construct tables and graphs.	Tutorial on SPSS	Assignments SPSS exam
E. Calculate measures of central tendency and dispersion.	Tutorial on SPSS	Assignments SPSS exam
F. Select, apply and interpret the proper test of significance.	Tutorial on SPSS	Assignments SPSS exam

D general skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Appraise scientific evidence	Discussions	Research assignment
B. Use information technology to manage information, access on-line medical information; for the important topics.	tutorial	Research and audits' assignment

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

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge A	Intellectual B	Practical skills C	General Skills D
Introduction	A-F	A-D	-	A&B
Tables and graphics	D	A-D	-	A&B
Sampling	C	-	-	A&B
Methodology of data collection	B	-	-	A&B
Type of variables	A	-	-	A&B
Proportion test& Chi-square test	E,F	C&D	-	A&B
Student T test& Paired T test	E,F	C&D	F	A&B
ANOVA test	E,F	C&D	F	A&B
Non parametric tests	E,F	C&D	F	A&B
Discrimination analysis factor analysis	E,F	C&D	-	A&B
SPSS Introduction	A-F	A-D	-	A&B
Data entry and cleaning of data	A	A-D	A-C	A&B
Transforming of variables	A	A&B	A-C	A&B
Descriptive statistics	D	A-D	D&E	A&B
Graphic presentation	D	A&B	D	A&B
Chi square and interpretation of results	E,F	C&D	F	A&B
Correlation Regression	E,F	C&D	F	A&B
Multiple and logistic Regression	E,F	C&D	F	A&B

5. Course Methods of teaching/learning

1. Lectures
2. Assignments
3. Discussions
4. Exercises
5. Tutorial on SPSS v.16

6. Course assessment methods:

i. Assessment tools:

1. Attendance and active participation
2. Assignment
3. Practical SPSS examination
4. Written exam

ii. Time schedule: After 6 months from applying to the M D degree.

iii. Marks: 50 (35 for written exam and 15 for practical exam).

7. List of references

i. Lectures notes

Department lecture notes

ii. Essential books

- Medical Statistics: Book by Ramakrishna HK 2016
- Janet Peacock and Philip Peacock. Oxford Handbook of Medical Statistics (second edition.) Publisher: Oxford University Press, Print Publication Date: Nov 2010 Print ISBN-13: 9780199551286, Published online: Jun 2011. DOI: 10.1093/med/9780199551286.001.0001
- Leslie E. Daly MSc, PhD, Hon MFPHM,, Geoffrey J. Bourke MA, MD, FRCPI, FFPHM, FFPHMI, Interpretation and Uses of Medical Statistics, Fifth Edition, First published:1 January 2000, Print ISBN:9780632047635 |Online ISBN:9780470696750 |DOI:10.1002/9780470696750
- Marcello Pagano, Kimberlee Gauvreau: Principles of Biostatistics second edition published in 2000 by Brooks/Cole and then Cengage Learning. CRC Press, Feb 19, 2018 - Mathematics - 584 pages.

Iii- Recommended books

- Ji-Qian Fang (Sun Yat-Sen University, China) Handbook of Medical Statistics: https://doi.org/10.1142/10259 | September 2017.Pages: 852
- Robert H. Riffenburgh: Statistics in Medicine 4th Edition (2020). EvidenceEvidence Based Medicine How to practice and teach EBM.
- Discovering Statistics Using IBM SPSS Book by Andy Field, 2013.

iii. Periodicals, Web sites, etc

iv. **Periodicals , etc** Statistics in Medicine - Wiley Online Library
v. **Web sites** https://www.phc.ox.ac.uk/research/medical-statistics

8. Signatures

Course Coordinator: - Farag Mohammed Moftah	**Head of the Department:** - Prof. Eman Morsy Mohamed
Date: 10-1-2022	**Date**: 10-1-2022
Associated Coordinator: Prof. Medhat Araby Khalil Saleh	
Date: 10-1-2022	

Course 2: Research Methodology

Name of department: Public Health and Community Medicine
Faculty of medicine
Assiut University
2021-2022

1. Course data

- **Course Title: Research methodology**
- **Course code: FAC309B**
- **Specialty: Offered to all clinical and academic specialties**
- **Number of credit points: 1 credit point**
- **Department (s) delivering the course: Department of public health**
- **Coordinator (s):**

- **Course coordinator:** Prof. Mahmoud Attia

Assistant coordinator (s): Prof. Ekram Mohamed

- Prof. Medhat Araby Khalil

- **Date last reviewed:** January 2022
- **Requirements (prerequisites) if any:**
  - **Completed Master degree in any of the academic or clinical departments of Medicine.**

2. Course Aims

To provide graduate students with the skills of:

- planning and implementing sound research
- writing a scientific research proposal

3. Intended learning outcomes (ILOs)

A knowledge and understanding

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Explain differences between different study designs.	Lecture and discussion Practical sessions Workshops	Written exam Log book assignments Practical exam
B. Identify sources and types of bias in research.	Lecture and discussion Practical sessions	Written exam Log book assignments Practical exam
C. Identify methods of data collection.	Lecture and discussion Practical sessions	Written exam Log book assignments
D. Select and design valid measurement tools for research.	Lecture and discussion Practical sessions Workshops	Written exam Log book assignments Practical exam
E. Explain ethical issues in conducting research on human subjects.	Lecture and discussion Practical sessions Workshops	Written exam Log book assignments
F. List the steps involved in proposal writing.	Lecture and discussion Practical sessions Workshops	Written exam Log book assignments Practical exam
G. Identify a research problem within a conceptual framework.	Lecture Discussion	Written exam Log book assignments

		Practical exam
H. Use the web sources to do a literature search	Practical tutorial on web	Log book assignment
I. Describe the rules of authorship in scientific writing.	Lecture and discussion Practical sessions Workshops	Written exam Log book assignments
J. Select the appropriate study design for the research question.	Lecture Practical sessions	Written exam Practical exam
K. Minimize bias in designing research.	Lecture	Written exam
L. Screening & theoretical background	Lectures	Written exam Practical exam
M. Mention the basic ethics for conducting a research and medicolegal principles relevant to data confidentiality.	lectures seminar	Written exam Practical exam

B. intellectual

Competency and Skills	Methods of teaching/ learning	Methods of Evaluation
A- Apply basic science & knowledge for appraising scientific literature.	Discussions &seminars	Written exam Practical exam
B- Design research and present study data, in seminars.	lecture seminar	log book assignments
C- Design suitable epidemiological study.	lecture seminar	log book assignments
D- Design strategies for resolving ethical concerns in research, law, and regulations.	lecture Workshops	Written exam log book assignments
E- Apply coherently synthesize ideas and integrate lateral and vertical thinking.	lecture Workshops	log book assignments
F- Evaluate screening tests and interpreting their uses in different population.	lecture	Written exam Practical exam

C. Practical skills

Competency and Skills	Methods of teaching/ learning	Methods of Evaluation
A- Conduct epidemiological studies, screening and surveys.	lectures seminar	written exam log book assignments
B- Identify steps required in fielding the study.	Lecture	Assignments Written exam
C- Managing data collection team.	lectures seminar	log book assignments
D- Identify steps required for calculation sensitivity, specificity, positive predictive value, negative predictive value, accuracy of a screening test.	Lecture Practical sessions	Assignments Written exam Practical exam
E- Be able to define and apply the epidemiologic criteria of causality and be able to distinguish between a measure of association and evidence of causality.	Lecture Practical sessions	Assignments Written exam Practical exam
F- Synthesize information from multiple sources for research writing and the ability to perform paper critique .	Lecture Practical sessions	Assignments Written exam Practical exam
G- Identify bias and confounding in epidemiological study designs, their types and ways to control them in various types of biases.	Lecture Practical sessions	Assignments Written exam Practical exam

D General skills
Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A- Scientific paper and proposal writing skills: be able to write an introduction, objectives and the methodological section.	Tutorial	Written examination
B- Learn authorship ethical rules.	Tutorial	Written examination
C- Perform practice-based improvement activities using a systematic methodology (audit, logbook, critical appraisal)	- Lectures -Practical sessions - Discussion - Readings	critical appraisal
D- Appraise evidence from scientific studies(journal club)	- Lectures -Practical sessions - Discussion - Readings	critical appraisal
E- Conduct epidemiological studies, screening and surveys.	- Lectures -Practical sessions - Discussion - Readings	attendance and participation
F- Facilitate training of junior students and other health care professionals in different screening activities.	Field work Participation in projects	attendance and participation

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
G- Maintain ethically sound relationship with community members.	- Lectures -Practical sessions - Discussion - Readings	Written exams
H- Provide information using effective nonverbal, explanatory, questioning, and writing skills.	- Lectures -Practical sessions - Discussion - Readings	Written exams Practical exams
I- Present results of researches in seminars.	- Lectures -Practical sessions - Discussion - Readings	Log book assignments

Professionalism

ILOs	Methods of teaching/ learning	Methods of Evaluation
J- Demonstrate respect, compassion, and integrity to the needs of society.	- Lectures - Discussion - Readings	Written exams
K- Manage potential conflicts of interest encountered by practitioners, researchers, and organizations.	- Lectures - Discussion - Readings	Written exams
L- Design strategies for resolving ethical concerns in research, law, and regulations.	Lectures - Discussion - Readings	Written exams Practical exams
M- Demonstrate ways to control for confounding in the analysis phase of a study	Lectures - Discussion - Readings	Written exams Practical exams
N- Demonstrate a commitment to ethical principles including confidentiality of participants' information and informed consent.	Lectures - Discussion - Readings	Written exams
O- Assess ethical considerations in developing communications and promotional initiatives.	- Lectures - Discussion - Readings	Written exams

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

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge A	Intellectual B	Practical skills C	General Skills D
Over view on research conduction and research ethics	A&E	A-D	A-C	C-G, I,L&M-O
How to write a research proposal	F,I	E	F	A-C&H
Observational study design	A& D	B & C	D	E & F
Experimental study design	A& D	B & C	B	E & F
Evaluation of diagnostic tests (Screening)	L	A	B& E	F
Systematic reviews and meta analysis	G, H & M	E& F	F	C, D
Confounding, bias & effect modification	B & K	D	E & G	M

5. Course Methods of teaching/learning:

1. Lectures
2. Assignments
3. Discussion
4. Exercises

6. Course assessment methods:

i. Assessment tools:

1. Attendance and participation
2. Log book assignments
3. Written examination
4. Practical examination

ii. Time schedule: After 6 months from applying to the M D degree.

iii. Marks: 50 (35 for written exam and 15 for practical exam).

7. List of references

i. Lectures notes

- Department lecture notes

ii. Essential books

- Research Design: Qualitative, Quantitative and Mixed Methods Approaches 4th Edition by John W. CreswellSAGE Publications, Inc; 4th edition (January 1, 2014)
- Research methodology: A step – by – step Guide for Beginners. Ranjit Kumar, 2020. Second edition https://books.google.com.eg/books?
- Medical Research Essentials Rania Esteitie, McGraw Hill Professional, third edition, Feb 5, 2014 - Medical - 104 pages
- Research Methodology in the Medical and Biological Sciences Petter Laake, Haakon Breien Benestad, Bjorn R. Reino Olsen, 4th edition , Academic Press, Nov 5, 2007 - Science - 512 pages

iv. Recommended books

- Research Methods in Education 7th Edition, by Louis Cohen, Lawrence Manion, Keith Morrison Publisher: Routledge; (April 22, 2011) www.routledge.com/textbooks/cohen7e.
- Research Methodology: A Practical and Scientific Approach Vinayak Bairagi, Mousami V. Munot · 2019, Research Methodology: A Practical and Scientific Approach - Google Books
- Based Medicine How to practice and teach EBM. David Sachett, Sharon E. Straus, W. Scott Richardson , William Rosenberg R.Brain Haynes
- Dissertation workshop open courseware JHSPH

8. Signatures

Course Coordinator: Prof.Mahmoud Attia	**Head of the Department:** Prof. Eman Morsy Mohamed
Date: 10-1-2022	**Date**: 10-1-2022

Course 3: Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

Name of department:
Forensic medicine and clinical toxicology
Faculty of medicine
Assiut University
20122-2023

1. Course data

- **Course Title: Medicolegal Aspects and Ethics in Medical Practice and Scientific Research**
- **Course code: FAC310C**
- **Speciality: *General medicine, Special medicine, Pediatrics, Public health, Oncology and Rheumatology Emergency Medicine* (1st part).**
- **Number of credit points: 1 credit point**
- **Department (s) delivering the course: Forensic Medicine and Clinical Toxicology**

- **Coordinator (s):**
  - **Course coordinator:**
    Prof. Ghada omran
  - **Assistant coordinator (s) Assist.**
    Prof. Zaghloul Thabet

- **Date last reviewed:** April 2022
- **Requirements (prerequisites) if any :**
  - **Completed Master degree.**

2. Course Aims

To describe the basic ethical and medicolegal principles and bylaws relevant to practice in the field of General medicine, Special medicine, Pediatrics, Public health, Oncology and Rheumatology

3. Intended learning outcomes (ILOs):

A knowledge and understanding

Competency and Skills	Methods of teaching/ learning	Methods of Evaluation
A. Mention principals of Taking consent.	Lecture and discussion	Oral &Written exam
B. Mention principals of Writing a death certificate	Lecture and discussion	Oral &Written exam
C. Mention principals of diagnosing death.	Lecture and discussion	Oral &Written exam
D. Mention principals of writing toxicological reports.	Lecture and discussion	Oral &Written exam
E. Explain principals of medical reports.	Lecture and discussion	Oral &Written exam
F. List indications and principals of induced emesis, gastric lavage and samples collection.	Lecture and discussion	Oral &Written exam

B. intellectual

Competency and Skills	Methods of teaching/ learning	Methods of Evaluation
A. Present case , seminars in death certificate	Lecture and discussion	Oral &Written exam
B. Present case, seminars in toxicological cases	Lecture and discussion	Oral &Written exam

C. Practical skills

Competency and Skills	Methods of teaching/ learning	Methods of Evaluation
A. Identify medical ethics and ethics in research.	Lecture and discussion	Reading Discussion
B. Prepare and write consent.	Lecture and discussion	Reading Discussion
C. Identify medical responsibilities.	Lecture and discussion	Reading Discussion
D. Write death certificate.	Lecture and discussion	Reading Discussion and active participation
E. Deal with a case of Suspicious death	Lecture and discussion	Reading Discussion and active participation
F. Perform gastric lavage, induce emesis, and obtain samples.		
G. Write medical and toxicological reports	Lecture and discussion	Reading Discussion and active participation
H. Develop and carry out		

patient management plans for Euthanaesia, and Organ Transplantation		
I. Counsel patients and their families about speciality related conditions including Permanent infirmities, Euthanasia, and Organ Transplantation		

D general skills

Competency and Skills	Methods of teaching/ learning	Methods of Evaluation
A. Present a case.	Lecture and discussion	Global rating logbook
B. Write a consultation note	Lecture and discussion	Global rating logbook
C. Inform patients and maintaining comprehensive.	Lecture and discussion	Global rating logbook
D. Make timely and legible medical records	Lecture and discussion	Global rating logbook
E. Acquire the teamwork skills	Lecture and discussion	Global rating logbook

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

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge A	Intellectual B	Practical skills C	General Skills D
1. Death and death certificate.	B,C	A	D,E	A
2. Medical Reports	A		G	A,D,E
3. Toxicological reports	D,F	B	G,F	A,E
4. Ethics in research.	A		A	
5. Medical ethics.	E		A,B,C,H,I	B,C,E

5. Course Methods of teaching/learning:

1. Lectures.
2. Discussions.
3. Exercises.

6. Course assessment methods:

i. Assessment tools:

1. Written examination.
2. Attendance and active participation.
3. Oral examination.

ii. Time schedule: After 6 months from applying to the M D degree.

iii. Marks: 50 (35 for written exam and 15 for oral exam).

7. List of references

i. Lectures notes

- Course notes.
- Staff members print out of lectures and/or CD copies.

ii. Essential books

- Bernard Knight and Pekka Saukko (2015: Knight Forensic Pathology. Hodder Arnold press

- Goldfrank, Lewis R.; Howland, Mary Ann; Hoffman, Robert S.; Nelson, Ewis S.; Lewin, Neal A (2019): Goldfrank's Toxicologic Emergencies, 11th ed. McGraw Hill / Medical.

- Medical Ethics Manual. World medical association. Third edition 2015.
- Medical ethics and law. Dominic Wilkinson, 3rdedition 2019.

iii. Recommended books

- Biswas Gautam (2021): Review of Forensic Medicine & Toxicology. 5th ed. Jaypee Brothers Medical Pub.

iv. Journal and web site

- Journals of all Egyptian Universities of Forensic Medicine and Clinical Toxicology.
- All International Journals of Forensic Medicine and Clinical Toxicology which available in the university network at www.sciencedirect.com. As :
  Forensic Science International Journal.
  Toxicology Letter.

8. Signatures

- Course Coordinator: **Prof. Ghada Omran**	**- Head of the Department:** **Prof. Randa Hussein Abdel hady**
Date: 17-4-2022	**Date**: 17-4-2022

Course 4: Basic Dermatology

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

I. Course data

- **Course Title: Basic Dermatology**
- **Course code: DER321A**
- **Speciality Dermatology**
- **Number of credit points(CP): Didactic 3.5CP(100%) practical 0 (0%).total 3.5CP(100%).**
- **Department (s) delivering the course: *Dermatology, Venereology and Andrology***
- **Coordinator (s):**
  - **Course coordinator: Prof. Azza Mahfouz**
  - **Assistant coordinator (s) Dr. Amira Ali**
    Dr. Doaa Samir
    Dr. Sara Awad
    Dr. Yasmin Tawfik
    Dr. Heba Hasan
- **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

This course aims is the candidates to be able to enable them to

2/1-Pursue higher studies and degrees.

2/2- Perform high standard scientific medical research and how to proceed with publication in indexed medical journals.

2/3- continue self learning in subspecialties.

2/4- master different research methodology and do their own.

3. Course intended learning outcomes (ILOs):

A-Knowledge and understanding

ILOs	Methods of teaching/ learning	*Methods of Evaluation*
A. Explain update and evidence based knowledge of the following conditions: -Structure and function of the skin -Diagnosis of the skin - Genetics and skin - Inflammation, Immunology and Allergy - Photobiology -Cutaneous response to Injury and Wound healing	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
B. Mention the principles of (diagnostic/therapeutic/preventive tools) Structure and function of the skin -Diagnosis of the skin - Genetics and skin		

- Inflammation, Immunology and Allergy - Photobiology -Cutaneous response to Injury and Wound healing		
C. Mention briefly state of art of the following conditions Structure and function of the skin -Diagnosis of the skin - Genetics and skin - Inflammation, Immunology and Allergy - Photobiology -Cutaneous response to Injury and Wound healing		
D. Explain the facts and principles of the relevant basic and clinically supportive sciences related to Dermatology		
E. Describe the basic ethical and medicolegal principles revenant to the Dermatology.		
F. describe the basics of quality assurance to ensure good clinical care in his field		
G. Explain the ethical and scientific principles of medical research		

B-Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Apply the basic and clinically supportive sciences which are appropriate to the Speciality related conditions / problem / topics including; Structure and function of the skin -Diagnosis of the skin - Genetics and skin - Inflammation, Immunology and Allergy - Photobiology -Cutaneous response to Injury and Wound healing	Clinical rounds Senior staff experience	Procedure/case presentation Log book
B. Demonstrate an investigatory and analytic thinking "problem – solving "approaches to clinical situation related to Dermatology		
C. Plan research projects.		
D. Write scientific papers.		
E. Plan quality improvement activities in the field of medical education and clinical practice in his Speciality.		
F. Create and innovate plans, systems, and other issues for improvement of performance in his practice.		
G. Present and defend his / her data in front of a panel of experts		

C- Practical skills =0CP

D-General Skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Locate, appraises, and assimilates evidence from scientific studies related to the speciality.	-Journal clubs - Discussions in seminars -Written & oral communication	-Procedure -Log book and Portfolios
B. Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness		
C. Use information technology to manage information, access on-line medical information; and support their own education		
D. Lead the learning of students and other health care professionals.	Clinical rounds Senior staff experience	

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
E. Create and sustain an 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
F. Perform the following oral communications: -Diagnosis of the skin - Genetics and skin	Case presentation Hand on workshops	
G. Fill the following reports: Skin biopsy report		
H. Work effectively with others as a member or leader of a health care team		

Professionalism

ILOs	Methods of teaching/ Learning	Methods of Evaluation
I. Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society that supersedes self-interest.	Clinical rounds Senior staff experience	Log book Written & oral evaluation
J. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities	Clinical rounds Senior staff experience	1. 360o global rating

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
K. Work effectively in different health care delivery settings and systems.	Clinical rounds Senior staff experience	1. 360o global rating
L. Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
M. Advocate for quality patient care and assist patients in dealing with system complexities		1. 360o global rating
N. Partner with health care managers and health care providers to assess, coordinate, and improve health care and predict how these activities can affect system performance		2. Patient survey

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

Time Schedule: First Part.

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skills	General Skills
Structure and function of the skin	**A-G**	**A-G**	**-**	**E-H**
-Diagnosis of skin diseases	**A-G**	**A-G**	**-**	**A-N**
- Inflammation, Immunology and Allergy	**A-G**	**A-D**	**-**	**C,D**
- Photobiology	**A-G**	**A**	**-**	**C,D**
-Cutaneous Response to Injury and Wound Healing	**A-G**	**G**	**-**	**I,J**
-Genetics and the Skin	**A-G**	**C**	**-**	**L-N**

5. Course Methods of teaching/learning:

1. Didactic ; Lectures
2. Clinical rounds
3. Seminars Clinical rotations
4. (service teaching) Observation
5. Post graduate teaching
6. Hand on workshops
7. Perform under supervision of senior staff
8. Simulations
9. Case presentation
10. Case Taking.

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

1. Didactic ;Intensive Lectures
2. Clinical rounds
3. Seminars Clinical rotations
4. (service teaching) Observation
5. Post graduate teaching
6. Hand on workshops
7. Perform under supervision of senior staff
8. Simulations
9. More Case presentation
10. More Case Taking

7. Course assessment methods:

i. Assessment tools:

- Clinical examination
- Written and oral examination
- Chick list
- log book & portfolio
- Procedure/case presentation
- One MCQ examination in f the second year and one in the third year
- Objective structured clinical examination
- Check list evaluation of live or recorded performance
- Patient survey
- 360o global rating

ii. Time schedule: 1st part

iii. Marks: 175 marks

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

-Rook text book of Dermatology 9th edition – 2016

-Andrews textbook of Dermatology 13th edition-2019

iii. Recommended books

Dermatology. 4th edition – 2017

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: **Prof. Azza Mahfouz Abdel-Maguid**	**Head of the Department:** **Prof. Eman Ryad Mohamed**
Date: 4/2022	**Date: 4/2022**

Course 5: Dermatopathology

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

2022/2023.

I. Course data

- **Course Title: Dermatopathology**
- **Course code: DER 321B**
- **Specialty: Dermatology and venereology.**
- **Number of points: Didactic 2.8CP (80%), practical 0.7CP (20%), total 3.5CP(100%).**
- **Department (s) delivering the course: *Dermatology, Venereology and Andrology***
- **Coordinator (s):**
  - **Course coordinator: Prof. Azza Mahfouz**
  - **Assistant coordinator (s) Dr. Amira Ali**
    Dr. Doaa Samir
    Dr. Sara Awad
    Dr. Yasmin Tawfik
    Dr.Heba Hasan
- **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-To acquire in depth the pathological background necessary for dermatology and venereology in clinical reasoning, diagnosis and management of diseases in dermatology and venerology.

3. Intended learning outcomes (ILOs):

A-Knowledge and understanding

ILOs	**Methods of teaching/ learning**	***Methods of Evaluation***
A. Mention Principles of General pathology and laboratory methods used for diagnosis of different diseases in dermatology, mentioned in AB. • Structure and function of skin • Specialized techniques in dermatopathology	-Didactic (lectures, seminars, tutorial)	- Written and oral examination - Log book
B-Describe pathological details related to the following diseases;: -Specialized techniques in dermatopathology ****Disorders of keratinization*** • Ichthyosis vulgaris • Porokeratosis ****Inherited and autoimmune subepidermal blistering disease*** • Epidermolysis bullosa • Bullous pemphegoid • Pemphegoid gestations • Dermatitis herpetiformis • Linear IgA disease		

Acantholytic disorders** • Pemphigus vulgaris • Pemphigus vegetans • Pemphigus foliaceous • Pemphigus erythematosus • Paraneoplastic pemphigus • IgA pemphigus • Darier's disease • Spongiotic, psoriasiform, and pustular dermatoses • Eczematous dermatitis • Psoriasis • Subcorneal pustular dermatoses **Lichenoid and interface dermatitis • Lichen planus • Erythema multiforme • Toxic epidermal necrolysis • Pityriasis lichenoides. ***Superficial and peri-vascular inflammatory dermatoses*** • Urticarial vasculitis • Pigmented purpuric dermatoses ***Granulomatous, necrobiotic and perforating dermatoses*** • Sarcoidosis • Granuloma annulare • Necrobiosis lipoidica • Foreign body granuloma ***Degenerative and metabolic diseases*** • Xanthoma • Amyloidosis ***Mastocytosis*** • Neutrophilis and eosinophilic dermatoses • Pyoderma gangrenosum • Sweet syndrome		

Hidradenitis suppurativa Connective tissue disorders Lupus erythematosus Morphea and systemic sclerosis Infectious diseases of the skin Warts tuberculosis Leishmania Leprosy		

B- Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
A. Apply the basic supportive sciences which are appropriate to Mycology related to dermatology problems.	-Didactic (lectures, seminars, tutorial)	-Written and oral examination - Log book
B. Demonstrate an investigatory and analytic thinking (problem solving) approaches to common clinical situations related to Mycology in dermatology		

C-Practical skills

ILOs	Methods of teaching/ Learning	Methods of Evaluation
A-Take history, examine and clinically diagnose different conditions related to Histopathology in dermatology	Lecture Seminars Clinical; round Didactic (lectures,	Written OSCE Oral MCQ Problem solving
B-Order the following diagnostic procedures of diseases in dermatology: • Routine laboratory investigations for		

conditions mentioned in AB. • Skin biopsy • Report on H & E stained sections of skin lesions and other stains	seminars, tutorial) Observation and supervision	
C-Interpret the findings of diagnostic procedures mentioned above in C.B		
D-Perform the following diagnostic procedures • Skin biopsy • Report on H & E stained sections of skin lesions		
E-Prescribe the therapeutic procedures for conditions mentioned in AB.		
F-Perform the therapeutic procedures for conditions mentioned in AB.		
G-Develop and carry out patient management plans for the conditions mentioned in AB.		
H-Counsel and educate patients and their family about conditions mentioned in AB.		
I-Use information technology to support patient care decisions and patient education for dermatological diseases related conditions.		
J-Provide health care services aimed at preventing the conditions mentioned in AB.		
K.Work with health care professionals, including those from other disciplines, to provide patient-focused care of diseases in dermatology.		
L.Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets.(Write and evaluate a		

consultation note, Inform patients of a diagnosis and therapeutic plan, completing and evaluating comprehensive, timely and legible medical records)		

D-General Skills

Practice-Based Learning and Improvement

ILOs	Methods of teaching/ learning	Methods of Evaluation
A-Use information technology to manage information, access on-line medical information; and support their own education	-Observation and supervision -Written and oral communication	Oral exam Logbook

Interpersonal and Communication Skills

ILOs	Methods of teaching/ Learning	Methods of Evaluation
B-Write a report in common condition mentioned in A.A, A.B	-Clinical round -Seminars -Lectures	-Log book -Chick list Oral exam

Professionalism

ILOs	Methods of teaching/ Learning	Methods of Evaluation
C-Demonstrate a commitment to ethical principles.	- Observation and supervision Written & oral communication	-Log book Oral exam

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
D-Work effectively in different health care delivery settings and systems.	-Observation -Senior staff experience	-360o global rating

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

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge A	Intellectual B	Practical skills C	General Skills D
Structure and function of skin	A,B	A.B	-	A
Specialized techniques in dermatopathology	A,B	A	B-D	A
Disorders of keratinization	A,B	A.B	A-L	A-D
Inherited and autoimmune subepidermal blistering disease	A,B	A.B	A-L	A-D
Acantholytic disorders	A,B	A.B	A-L	A-D
Spongiotic, psoriasiform, and pustular dermatoses	A,B	A.B	A-L	A-D
Lichenoid and interface dermatitis	A,B	A.B	A-L	A-D
Superficial and peri-vascular inflammatory dermatoses	A,B	A.B	A-L	A-D
Granulomatous, necrobiotic and perforating dermatoses	A,B	A.B	A-L	A-D
Degenerative and metabolic diseases	A,B	A.B	A-L	A-D

Mastocytosis	A,B	A.B	A-L	A-D
Neutrophilis and eosinophilic dermatoses	A,B	A.B	A-L	A-D
Connective tissue disorders	A,B	A.B	A-L	A-D
Infectious diseases of the skin	A,B	A.B	A-L	A-D
Epidermal tumours	A,B	A.B	A-L	A-D
Appendageal tumours	A,B	A.B	A-L	A-D
Lymphoma	A,B	A.B	A-L	A-D
Naevi	A,B	A.B	A-L	A-D

5. methods of teaching/learning:

- Didactic (lectures, seminars, tutorial)
- Observation and supervision
- Written & oral communication
- Senior staff experience

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

1. Extra didactic (lectures, seminars, tutorial)

7. Assessment methods:

i. Assessment tools:

1. Written , Practical exam and oral examination
2. Log book

ii. Time schedule: After 12 months from applying to the M D degree.in 1st part.

v. **Marks:** 175

8. List of references

i. Lectures notes

- Course notes
- Staff members print out of lectures and/or CD copies

ii. Essential books

- Rook text book of Dermatology 9th edition – 2016
- Andrews textbook of Dermatology 13th edition-2019

Web sites: http://www.ncbi.nlm.nih.gov/pubmed/

9. Signatures

Course Coordinator	
Course Coordinator: **Prof. Azza Mahfouz Abdel-Maguid**	**Head of the Department:** **Prof. Eman Ryad Mohamed**
Date: 4/2022	**Date: 4/2022**

Course 6 Advanced Dermatology

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

2022/2023.

I. Course data

- **Course Title: Advanced Dermatology**
- **Course code: DER 321C**
- **Specialty: Dermatology**
- **Number of points(CP): Didactic 24(16.3%), practical 123(83.7%), total 147(100%) CP**
- **Department (s) delivering the course: *Dermatology, Venereology and Andrology***
- **Coordinator (s):**

- **Principle coordinator: Prof. Dr. Azza Mahfouz Abdel-Maguid**
- **Assistant coordinator (s): Dr. Amira Ali Abdel-Motaleb**
  Dr. Doaa Samir
  Dr. Sara Awad
  Dr. Yasmin Mostafa Tawfik
  Dr. Heba Hasan

- **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) To Enable the candidates to keep with the international standards of patient care by achieving high levels of:

a- Clinical skills.

b- Patient care skills.

c- Simple surgical maneuvers such as; skin biopsy, laser, microdermabasion and chemical peeling.

2/2) Enable them to start professional careers as consultant in Egypt.

2/3) Make them recognized as consultant abroad.

2/4) Enable them to pursue higher studies and degrees.

2/5) To enable candidates to perform high standard scientific medical research and how to proceed with publication in indexed medical journals.

2/6) Enabling them to continue self learning in subspecialties.

2/7) Enabling them to master different research methodology and do their own.

3. Course intended learning outcomes (ILOs):

A-Knowledge and understanding

ILOs	Methods of teaching/ learning	*Methods of Evaluation*
A. Explain update and evidence based etiology, clinical picture, diagnosis and management of the following common 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 Covid-19, 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, icthyotic disorders, keratodermas and others	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

• 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 • Nail disorders •Disordes 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. Mention the principles of diagnostic, therapeutic,preventive tools) • 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, me• 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, icthyotic 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 • Nail disorders •Disordes 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.		

• Principles of Holistic Management of Skin Disease, • Principles of Measurement and Assessment in Dermatology, • Principles of Evidence-based Dermatology • Principles of Topical Therapy, • Principles of Systemic Therapy, • Principles of Skin Surgery, • Principles of Phototherapy, • Principles of Photodynamic Therapy, • Principles of Cutaneous Laser Therapy, • Principles of Radiotherapy, • Adverse Immunological Reactions to Drugs • Topical Drug Delivery, • Clinical Pharmacology, **Skin reactions to external agents** - Benign Cutaneous Adverse Reactions to Drugs, - Severe Cutaneous Adverse Reactions to Drugs, - Cutaneous Side Effects of Chemotherapy and Radiotherapy, - Dermatoses Induced by Illicit Drugs, - Dermatological Manifestations of Metal Poisoning **Aesthetic Dermatology** - Skin Ageing, - Cosmeceuticals, - Soft Tissue Augmentation (Fillers), - Aesthetic Uses of Botulinum Toxins, - Chemical Peels, - Lasers and Energy-based Devices		
C. Mention briefly state of art of the following rare diseases and conditions • Some rare genodermatoses • Immunedifeciency disorders • Rare bullous diseases		

• Rare bacterial, viral, fungal, parasitic and mycobacterial infections • Rare syndromes with Keratoderma • Some icthyotic disorders • Rare cutaneous tumours • Granulomatous skin diseases as sarcoidosis and others • Metabolic and nutritional dermatoses • Vasculitic diseases • Panniculitis • Histocytosis • Necrobiotic disorders • Nail disorders		
D. explain the facts and principles of the relevant basic and clinically supportive sciences related to dermatology		
E. Describe the basic ethical and medicolegal principles revenant to the dermatology		
F. describe the basics of quality assurance to ensure good clinical care in his field		
G. Explain the ethical and scientific principles of medical research		
H. Explains 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. Design / present case in common problem related to Various dermatological disorders Dermatopathological examination of different skin diseases Fungal skin diseases Cutaneous cosmetic problems related various skin diseases Dermatologic surgical procedures	Clinical rounds Senior staff experience	Procedure/case presentation Log book
B. Apply the basic and clinically supportive sciences which are appropriate to the specialty related conditions / problem / topics.		
C. Demonstrate an investigatory and analytic thinking "problem – solving "approaches to clinical situation related to dermatology		
D. Plan research projects.		
E. Write scientific papers.		
F. Lead risk management activities as a part of clinical governance.		
G. Plan quality improvement activities in the field of medical education and clinical practice in his specialty.		
H. Create / innovate plans, systems, and other issues for improvement of performance in his practice.		
I. Present and defend his / her data in front of a panel of experts		
J. 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 noninvasive, invasive diagnostic procedures; - Fungal culture -Bacteriological swab -Trichogram	Clinical round with senior staff Observation Post graduate teaching Hand on workshops	-Procedure presentation - Log book - Chick list
C. Interpret the following noninvasive& invasive diagnostic procedures; - skin biopsy	Clinical round with senior staff	Procedure presentation - Log book - Chick list
D. Perform the following noninvasive& invasive 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	Clinical round with senior staff -Perform under supervision of senior staff	Procedure presentation - Log book - Chick list
E .Prescribe the following noninvasive& invasive therapeutic procedures that		

mentioned in C and D.		
F. 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 fugoides and pruritis - Cutaneous electrosurgery - Cutaneous cryosurgery - LASER therapy, Chemical Peeling and Microdermabrasion: for different dermatological issues concerned with cosmetic problems and impaired quality of life.	Clinical round with senior staff	
G. Develop and carry out patient ng 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 • Icthyosis and disorders of keratinization • Alopecia areata • Acne vulgaris and post acne scar • Deep fungal infections • Cutaneous Vasculitis		
H. Counsel and educate patients and their family about a. Various dermatological disorders b. Dermatopathological examination of different skin diseases c. Fungal skin diseases d. Cutaneous cosmetic problems related various skin diseases e. Dermatologic surgical procedures		
I. Use information technology to support patient care decisions and patient education for the dermatology related conditions.		
J. Provide health care services aimed at preventing the following conditions - Bacterial infection - Fungal infection - Parasitic infection - Mycobacterial infection		
K. Work with health care professionals, including those from other disciplines, to provide patient-focused care.		
L. Write competently all forms of patient charts and sheets including reports evaluating these charts and		

sheets.(Write and evaluate a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and evaluating comprehensive, timely and legible 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. Locate, appraises, and assimilates evidence from scientific studies related to patients' health problems.	-Journal clubs - Discussions in seminars and clinical rounds	
C. Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness		
D. Use information technology to manage information, access on-line medical information; and support their own education		
E. Lead the learning of students and other health care professionals.	Clinical rounds Senior staff experience	

Interpersonal and Communication Skills

ILOs	Methods of teaching/ learning	Methods of Evaluation
F. Create and sustain a 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. Perform the following oral communications: • Various dermatological disorders • Dermatopathological examination of different skin diseases • Fungal skin diseases • Cutaneous cosmetic problems related various skin diseases • Dermatologic surgical procedures		
H. Fill the following reports: - Skin biopsy report - laser report - chemical peeling report - microdermabasion report		
I. Work effectively with others as a member or leader of a health care team		

Professionalism

ILOs	Methods of teaching/ Learning	Methods of Evaluation
J. 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
K. 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
L. Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities		

Systems-Based Practice

ILOs	Methods of teaching/ learning	Methods of Evaluation
M. Work effectively in different health care delivery settings and systems.		1. 360o global rating
N. Practice cost-effective health care and resource allocation that does not compromise quality of care		1. Check list evaluation of live or recorded performance
O. Advocate for quality patient care and assist patients in dealing with system complexities		1. 360o global rating 2. Patient survey
P. Partner with health care managers and health care providers to assess, coordinate, and improve health care and predict how these activities can affect system performance		

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

Time Schedule: Second part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skills	General Skills
• Viral Infections, • Bacterial Infections, • Mycobacterial Infections • Leprosy • Parasitic diseases • Arthropods	A-H	A-J	A-L	A-P
• Fungal Infections • Global Overview of Sexually Transmitted Infections, • Syphilis and Congenital Syphilis, • Other Sexually Transmitted Bacterial Diseases, • HIV and the Skin,	A-H	A-D	A-F	A-G
Soriasis and related disorders Pityriasis rubra pilaris Lichen planus and lichenoid disorders Graft versus host disease	A-H	B-E	A-L	A-P
• Eczematous disorders • Seborrhoeic dermatitis • Atopic eczema • Urticaria • Recurrent Angioedema without weals • Urticarial vasculitis	A-H	A-D	A-L	A-G

• Autoinflammatory diseases presenting in the skin • Mastocytosis • Reactive inflammatory erythemas • Behcet-Disease • Neutrophilic Dermatoses	A-H	A-J	A-L	D-H
• Immunobullous diseases • Lupus erythematosus • Antiphospholipid syndrome • Dermatomyositis • Mixed connective tissue disease • Dermatological manifestations of Rheumatoid disease • Systemic sclerosis • Morphoea and sclerosing inflammatory dermatoses	A-F	A-D	A,G	A-P
• Mechanical Injury to the Skin, • Pressure Injury and Pressure Ulcers • Cutaneous Reactions to Cold and Heat, • Burns and Heat Injury, • Cutaneous Photosensitivity Diseases, • Allergic Contact Dermatitis, • Irritant Contact Dermatitis, • Occupational Dermatology, • Stings and Bites,	A-H	A-D	A,G	A-O
- Systemic amyloidoses	A-H	E-H	A-D	A-F

- Cutaneous Mucinoses, -Cutaneous Porphyrias, -Calcification of the Skin and Subcutaneous Tissue, -Xanthomas and Abnormalities of Lipid Metabolism and Storage -Nutritional Disorders Affecting the Skin -Skin Disorders in Diabetes Mellitus				
- Inherited Disorders of Cornification - Inherited Acantholytic Disorders - Ectodermal Dysplasias - Inherited Hair Disorders - Genetic Defects of Nails and Nail Growth	A-E	E-L	A-D	D-K
- Genetic Disorders of Pigmentation, - Genetic Blistering Diseases, - Genetic Disorders of Collagen, Elastin and Dermal Matrix, - Disorders Affecting Cutaneous Vasculature, - Genetic Disorders of Adipose Tissue, - Congenital Naevi and Other Developmental Abnormalities Affecting the Skin,	A-G	E-L	A-D	D-K
- Chromosomal Disorders, - Poikiloderma Syndromes, - DNA Repair Disorders	A-H	A-D	A	A

with Cutaneous Features, - Syndromes with Premature Ageing, - Hamartoneoplastic Syndromes, - Inherited Metabolic Diseases, Inherited Immunodeficiency				
- Pruritus, Prurigo and Lichen Simplex, -Mucocutaneous Pain Syndromes, -Neurological Conditions Affecting the Skin, -Psychodermatology and Psychocutaneous Disease	A-H	A-D	A,J	A-P
- Acquired Disorders of Epidermal Keratinization - Acquired Pigmentary Disorders,	A-H	A-D	A,B,D,J	A-P
- Acquired Disorders of Hair, - Acne, - Rosacea, - Hidradenitis Suppurativa, - Other Acquired Disorders of the Pilosebaceous Unit, - Disorders of the Sweat Glands, - Acquired Disorders of the Nails and Nail Unit	A-H	A-D	A-D, H ,J	A-P
- Acquired Disorders of Dermal Connective Tissue, - Granulomatous Disorders of the Skin, - Sarcoidosis, - Panniculitis,	A-H	A-D	A-D, G-H,J	A

- Other Acquired Disorders of Subcutaneous Fat				
- Purpura, - Cutaneous Vasculitis, - Dermatoses Resulting from Disorders of the Veins and Arteries, - Ulceration Resulting from Disorders of the Veins and Arteries, - Disorders of the Lymphatic Vessels, - Flushing and Blushing,	A-H	A	A-D, G-H,J	A,G
- Dermatoses of the Scalp, - Dermatoses of the External Ear, - Dermatoses of the Eye, Eyelids and Eyebrows, - Dermatoses of the Oral Cavity and Lips, - Dermatoses of the Male Genitalia, - Dermatoses of the Female Genitalia, - Dermatoses of Perineal and Perianal Skin, - Cutaneous Complications of Stomas and Fistulae, - Dermatoses of Pregnancy, - Dermatoses of the Neonate, - Dermatoses and Haemangiomas of Infancy	A,B	A-D	A,D,J	-
- Benign Melanocytic Proliferations and Melanocytic Naevi - Melanoma,	A,B	A-D	A	-

○ Melanoma Clinicopathology, ○ Melanoma Surgery, ○ Systemic Treatment of Melanoma, - Dermoscopy of Melanoma and Naevi				
- Benign Keratinocytic Acanthomas and Proliferations, - Cutaneous Cysts - Tumours of Skin Appendages - Basal Cell Carcinoma, - Squamous Cell Carcinoma and its Precursors - Merkel Cell Carcinoma, - Skin Cancer in the Immunocompromised Patient	A,B	A	A,C,F,G	-
- Lymphocytic Infiltrates, - Cutaneous Histiocytoses, - Soft-tissue Tumours and Tumour-like Conditions, - Kaposi Sarcoma, - Cutaneous Lymphomas	A,B	A-D	A,C,F,G	A
- Cutaneous Markers of Internal Malignancy, - The Skin and Disorders of the Haematopoietic and Immune Systems, - The Skin and Endocrine Disorders, - The Skin and Disorders of the Heart, - The Skin and Disorders of the Respiratory System,	A,B,C	A-D	A,C,F,G	A

- The Skin and Disorders of the Digestive System - The Skin and Disorders of the Kidney and Urinary Tract, - The Skin and Disorders of the Musculoskeletal System,				
- Principles of Holistic Management of Skin Disease, - Principles of Measurement and Assessment in Dermatology, - Principles of Evidence-based Dermatology - Principles of Topical Therapy, - Principles of Systemic Therapy, - Principles of Skin Surgery, - Principles of Phototherapy, - Principles of Photodynamic Therapy, - Principles of Cutaneous Laser Therapy, - Principles of Radiotherapy, - Adverse Immunological Reactions to Drugs - Topical Drug Delivery, - Clinical Pharmacology,	A-H	A	A,C,I	A,H
- Benign Cutaneous Adverse Reactions to Drugs, - Severe Cutaneous Adverse Reactions to Drugs, - Cutaneous Side Effects of	A-H	G	A,C,G. I	A

Chemotherapy and Radiotherapy, - Dermatoses Induced by Illicit Drugs, - Dermatological Manifestations of Metal Poisoning				
- Skin Ageing, - Cosmeceuticals, - Soft Tissue Augmentation (Fillers), - Aesthetic Uses of Botulinum Toxins, - Chemical Peels, - Lasers and Energy-based Devices	A-H	G	A,I	

5. Course Methods of teaching/learning:

- Didactic ; Lectures
- Clinical rounds
- Seminars Clinical rotations
- (service teaching) Observation
- Post graduate teaching
- Hand on workshops
- Perform under supervision of senior staff
- Simulations
- Case presentation
- Case Taking

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

- Didactic ;Intensive Lectures
- Clinical rounds
- Seminars Clinical rotations
- (service teaching) Observation
- Post graduate teaching
- Hand on workshops
- Perform under supervision of senior staff
- Simulations
- More Case presentation
- More Case Taking

7. Course assessment methods:

i. i. Assessment tools:

- Clinical examination
- Written and oral examination
- Chick list
- log book & portfolio
- Procedure/case presentation
- One MCQ examination in f the second year and one in the third year
- Objective structured clinical examination
- Check list evaluation of live or recorded performance
- Patient survey
- 360o global rating

ii. Time schedule: 2nd part

iii. Marks: 1200 marks (Advanced Dermatology)

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

Rook text book of Dermatology 9th edition – 2016

Andrews textbook of Dermatology 13th edition- 2019

iii. Recommended books

Dermatology. 4th edition – 2017

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: **Prof. Dr. Azza Mahfouz Abdel-Maguid**	**Head of the Department:** **Prof. Dr. Eman Ryad Mohamed**
Date: 4/2022	**Date: 4/2022**

ANNEX 2
Program Academic Reference Standards (ARS)

1- Graduate attributes for medical doctorate in Dermatology

***The Graduate (after residence training and medical doctorate years of study) must*:**

1- Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in the chosen field of ***Dermatology***.

2- Have continuous ability to add knowledge to the ***Dermatology*** through research and publication.

3- Appraise and utilise relevant scientific knowledge to continuously update and improve clinical practice.

4- Acquire excellent level of medical knowledge in the basic biomedical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care and scientific research.

5- Function as a leader of a team to provide patient care that is appropriate, effective and compassionate for dealing with health problems and health promotion.

6- Identify and create solutions for health problems in his Speciality.

7- Acquire an in depth understanding of common areas of ***Dermatology***, from basic clinical care to evidence based clinical application, and possession of required skills to manage independently all problems in these areas.

8- Demonstrate leadership competencies including 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.

9- Function as teacher in relation to colleagues, medical students and other health professions.

10- Master decision making capabilities in different situations related to his field of practice.

11- Show leadership 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.

12- Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care, and identify and carryout system-based improvement of care.

13- Show model attitudes and professionalism.

14- Demonstrate commitment for lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages and in the ***Dermatology*** speciality or one of its subspecialties.

15- Use recent technologies to improve his practice in the ***Dermatology*** field.

16- Share in updating and improving clinical practice in the ***Dermatology*** field.

2- Competency based Standards for medical doctorate

2.1- Knowledge and understanding

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

2-1-A- Established, updated and evidence- based theories, basics and developments of ***Dermatology*** and relevant sciences.

2-1-B- Basics, methods and ethics of medical research.

2-1-C- Ethical and medicologal principles of medical practice related to ***Dermatology*** field.

2-1-D- Principles and measurements of quality in the ***Dermatology*** field.

2-1-E- Principles and efforts for maintainace and improvements of public health.

2- Intellectual skills

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

2-2-A- Application of basic and other relevant science to solve Speciality related Problems.

2-2-B- Problem solving based on available data.

2-2-C- Involvement in research studies related to the ***Dermatology***.

2-2-D- Writing scientific papers.

2-2-E- Risk evaluation in the related clinical practice.

2-2-F- Planning for performance improvement in the ***Dermatology*** field.

2-2-G- Creation and innovation in the ***Dermatology*** field.

2-2-H- Evidence – based discussion.

2-2-I- Decision making in different situations related to the ***Dermatology*** fields.

2.3- Clinical skills

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

- ***Competency-based outcomes for Patient Care:-***

2-3-A- MD students must be able to provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health extensive level means in depth understanding and from basic science to evidence – based clinical application and possession of skills to manage independently all problems in his field of practice.

2-3-B- Master patient care skills relevant to that ***Dermatology*** for patients with all diagnoses and procedures.

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-Master 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 competently all information sources and technology to improve his practice.

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

- ***Competency-based objectives for Interpersonal and Communication Skills***

2-4-D-Master 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-Master Professionalism behavior, 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- Participate in improvement of the education system.

2-4-H- Demonstrate skills of leading scientific meetings including time management

2-4-O- 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 MD 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

Annex 4, Glossary of MD students assessment methods

- 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 MD 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 MD doctor's performance on checklists and provide feedback for history taking, physical examination, and communication skills. Physicians may also rate the MD doctor's performance.

- Objective Structured Clinical Examination (OSCE) – A series of stations with standardized tasks for the MD doctors to perform. Standardized patients and other assessment methods often are combined in an OSCE. An observer or the standardized patient may evaluate the MD doctors.

- Procedure or Case Logs – MD 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 MD 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 – MD doctors, faculty, nurses, clerks, and other clinical staff evaluate MD doctors from different perspectives using similar rating forms.

- Portfolios – A portfolio is a set of project reports that are prepared by the MD doctors to document projects completed during the MD 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 – MD 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 MD 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:

مصفوفة توافق المعايير القومية القياسية العامة لبرامج الدكتوراة مع المعايير الأكاديمية المعتمدة من كلية الطب □ جامعة أسيوط لدرجة الدكتوراة في الأمراض الجلدية

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

1- Graduate attributes

Faculty ARS	NAQAAE General ARS for postgraduate Programs
1- Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in Dermatology.	١-إتقان أساسيات و منهجيات البحث العلمي
2- Have continuous ability to add knowledge new developments to Dermatology through research and publication.	٢-العمل المستمر علي الإضافة للمعارف في مجال التخصص
3- Appraise and utilise scientific knowledge to continuously update and improve clinical practice and relevant basic sciences.	٣-تطبيق المنهج التحليلي والناقد للمعارف في مجال التخصص و المجالات ذات العلاقة
4- Acquire excellent level of medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care and scientific	٤-دمج المعارف المتخصصة مع المعارف ذات العلاقة مستنبطا و مطورا للعلاقات البينية بينها
5- Function as a leader of a team to provide patient care that is appropriate, compassionate for dealing effective and with health Problems and health promotion. 7- Acquire an in depth understanding of common areas of speciality, from basic clinical care to evidence based clinical application, and possession of skills to manage independently all problems in these areas.	٥-إظهار وعيا عميقا بالمشاكل الجارية و النظريات الحديثة في مجال التخصص
6- Identify and create solutions for health problems in Dermatology.	٦-تحديد المشكلات المهنية و إيجاد حلولا مبتكرة لحلها
5- Function as a leader of a team to provide patient care that is appropriate,	٧-إتقان نطاقا واسعا من المهارات المهنية في

effective and compassionate for dealing with health problems and health promotion. 7- Acquire an in depth understanding of common areas of Dermatology, from basic clinical care to evidence based clinical application, and possession of skills to manage independently all problems in these areas.	مجال التخصص
16- Share in updating and improving clinical practice in Dermatology. 9- Function as teacher in relation to colleagues, medical students and other health professions.	٨- التوجه نحو تطوير طرق و أدوات و أساليب جديدة للمزاولة المهنية
15- Use recent technologies to improve his practice in Dermatology.	٩-استخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية
8- Demonstrate leadership competencies including 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. 5- Function as a leader of a team to provide patient care that is appropriate, effective and compassionate for dealing with health problems and health promotion.	١٠-التواصل بفاعلية و قيادة فريق عمل في سياقات مهنية مختلفة
10- Master decision making capabilities in different situations related to Dermatology	١١-اتخاذ القرار في ظل المعلومات المتاحة
11- Show leadership 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.	١٢-توظيف الموارد المتاحة بكفاءة و تنميتها والعمل على إيجاد موارد جديدة
12- Demonstrate in depth awareness of public health and health policy issues including	١٣-الوعي بدوره في تنمية المجتمع والحفاظ

independent ability to improve health care, and identify and carryout system-based improvement of care.	على البيئة
13- Show model attitudes and professionalism.	١٤-التصرف بما يعكس الالتزام بالنزاهة و المصداقية و قواعد المهنة
14- Demonstrate commitment for lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages and in Dermatology or one of its subspecialties. 15- Use recent technologies to improve his practice in Dermatology.	١٥-الالتزام بالتنمية الذاتية المستمرة و نقل علمه و خبراته للآخرين

2- Academic standards

Faculty ARS	NAQAAE General ARS for postgraduate Programs
2.1. A- Established, updated and evidence- based theories, basics and developments of Speciality and relevant sciences.	٢-١-أ- النظريات و الأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة
2.1. B- Basic, methods and ethics of medical research.	٢-١-ب -أساسيات و منهجيات و أخلاقيات البحث العلمي و أدواته المختلفة
2.1. C- Ethical and medicologal principles of medical practice related to Speciality.	٢-١-ج- المبادئ الأخلاقية و القانونية للممارسة المهنية في مجال التخصص
2.1. D- Principles and measurements of quality in Speciality.	٢-١-د مبادئ و أساسيات الجودة في الممارسة المهنية في مجال التخصص
2.1. E- Principles and efforts for maintains and improvements of public health.	٢-١-هـ - المعارف المتعلقة بآثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها
2.2. A- Application of basic and other relevant science to solve Speciality related problems.	٢-٢-أ -تحليل و تقييم المعلومات في مجال التخصص و القياس عليها و الاستنباط منها
2.2.B- Problem solving based on available data.	٢-٢-ب -حل المشاكل المتخصصة استنادا علي المعطيات المتاحة
2.2.C- Involvement in research studies related to Speciality.	٢-٢-ج -إجراء دراسات بحثية تضيف إلى المعارف
2.2. D- Writing scientific papers.	٢-٢-د- صياغة أوراق علمية
2.2. E- Risk evaluation in the related clinical practice.	٢-٢-هـ تقييم المخاطر في الممارسات المهنية
2.2.F- Planning for performance improvement in Speciality.	٢-٢-و -التخطيط لتطوير الأداء في مجال التخصص
2-2-G- Creation and innovation in the Speciality.	٢-٢-ز- الابتكار /الإبداع
2.2. H- Evidence – based discussion.	٢-٢-ح- الحوار والنقاش المبني علي البراهين

	والأدلة
2.2.I- Discussion making in different situations related to Speciality.	٢-٢-ط -اتخاذ القرارات المهنية في سياقات مهنية مختلفة
2.3. A- MD students must be able to provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health extensive level means in depth understanding and from basic science to evidence – based clinical application and possession of skills to manage independently all problems in Speciality. 2.3. B- Master patient care skills relevant to Speciality or patients with all diagnoses and procedures.	٢-٣-أ -إتقان المهارات المهنية الأساسية و الحديثة في مجال التخصص
2.3. C- Write and evaluate reports for situations related to the field of Speciality.	٢-٣-ب- كتابة و تقييم التقارير المهنية.
2.4.A-Master 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	٢-٣-ج -تقييم و تطوير الطرق و الأدوات القائمة في مجال التخصص
2.4.B- Use competently all information sources and technology to improve his practice.	٢-٣-د - استخدام الوسائل التكنولوجية بما يخدم الممارسة المهنية
2.4.A-Master 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.G- Participate in improvement of the education system.	٢-٣-هـ -التخطيط لتطوير الممارسة المهنية وتنمية أداء الآخرين

II-Program ARS versus program ILOs

Comparison between ARS- ILOS for medical doctorate for
Dermatology

(ARS)	(ILOs)
2-1- Knowledge and understanding	***2-1- Knowledge and understanding***
2-1-A- Established, updated and evidence-based Theories, Basics and developments of v and relevant sciences.	**2-1-A**- Demonstrate in-depth knowledge and understanding of theories, basics and updated biomedical, clinical epidemiological and socio behavioral science relevant to his Speciality as well as the evidence – based application of this knowledge to patient care.
2-1-B Basic, methods and ethics of medical research.	**2-1-B-** Explain basics, methodology, tools and ethics of scientific medical, clinical research.
2-1-C- Ethical and medicologal principles of medical practice related to Dermatology field.	**2-1-C-** Mention ethical, medico logical principles and bylaws relevant to his practice in the field of Dermatology.
2-1-D- Principles and measurements of quality in the Dermatology field.	**2-1-D-** Mention principles and measurements of quality assurance and quality improvement in medical education and in clinical practice of Dermatology.
2-1-E-Principles and efforts for maintains and improvements of public health.	**2-1-E-** Mention health care system, public health and health policy, issues relevant to this Speciality and principles and methods of system – based improvement of patient care in common health problems of the field of Dermatology.
***2-2- Intellectual skills*:**	***2-2- Intellectual skills:***
2-2-A-Application of basic and other relevant science to solve Dermatology related problems.	**2-2-A-** Apply the basic and clinically supportive sciences which are appropriate to Dermatology related

	conditions / problem / topics.
2-2-B-Problem solving based on available data.	**2-2-B-** Demonstrate an investigatory and analytic thinking "problem – solving "approaches to clinical situation related to Dermatology.
2-2-C- Involvement in research studies related to the Dermatology.	**2-2-C-** Plan research projects.
2-2-D Writing scientific papers.	**2-2-D-** Write scientific paper.
2-2-E-Risk evaluation in the related clinical practice.	**2-2-E-** Participate in clinical risk management as a part of clinical governance.
2-2-F-Planning for performance improvement in the Dermatology field.	**2-2-F-** Plan for quality improvement in the field of medical education and clinical practice in Dermatology.
2-2-G-Creation and innovation in the Dermatology field.	**2-2-G-** Create / innovate plans, systems, and other issues for improvement of performance in his practice.
2-2-H-Evidence – based discussion.	**2-2-H-** Present and defend his / her data in front of a panel of experts.
2-2-I-Decision making in different situations related to Dermatology fields.	**2-2-I-** Formulate management plans and alternative decisions in different situations in the field of the Dermatology.

continuous (ARS)	**continuous (ILOs)**

2-3- Clinical skills:	***2/3/1/Practical skills (Patient care :)***
2-3-A- MD students must be able to provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health extensive level means in depth understanding and from basic science to evidence – based clinical application and possession of skills to manage independently all problems in his field of practice. **2-3-B-** Master patient care skills relevant to Dermatology for patients with all diagnoses and procedures.	**2-3-1-A-** Provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. ***p.s.*** Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice. **2-3-1-B-** Provide extensive level of patient care for patients with all common diagnoses and for uncomplicated procedures related to Dermatology. **2-3-1-C-** Provide extensive level of patient care for non-routine, complicated patients and under increasingly difficult circumstances, while demonstrating compassionate, appropriate and effective care. **2-3-1-D-** Perform diagnostic and therapeutic procedures considered essential in the field of Dermatology. **2-3-1-E-** Handles unexpected complications, while demonstrating compassion and sensitivity to patient needs and concerns. **2-3-1-F-** Communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families in the Dermatology related situations. **2-3-1-G-** Gather essential and accurate information about patients of the Dermatology related conditions.

	2-3-1-H Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence and clinical judgment for the Dermatology related conditions. **2-3-1-I-** Develop and carry out patient management plans for Dermatology related conditions. **2-3-1-J-** Counsel and educate patients and their families about Speciality related conditions. **2-3-1-K-** Use information technology to support patient care decisions and patient education in all Dermatology related clinical situations. **2-3-1-L-** Perform competently all medical and invasive procedures considered essential for the Speciality related conditions / area of practices. **2-3-1-M-** Provide health care services aimed at preventing the Dermatology related health problems. **2-3-1-N-** Lead health care professionals, including those from other disciplines, to provide patient-focused care in Dermatology related conditions**.**

2-3-C- Write and evaluate reports for situations related to the field of Dermatology.	**2-3-1-O-** Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets.(Write and evaluate a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and evaluating comprehensive timely and legible medical records).
2-4- General skills **2-4-A-** Master 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	***2/3/2 General skills*** **2-3-2-A-** Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of Dermatology. **2-3-2-B-** Appraise scientific evidence. **2-3-2-C-** Continuously improve patient care based on constant self-evaluation and life-long learning. **2-3-2-D**. Participate in clinical audit and research projects. **2-3-2-E-** Practice skills of evidence-based Medicine (EBM). **2-3-2-G-** Design logbooks. **2-3-2-H-** Design clinical guidelines and standard protocols of management. **2-3-2-I-** Appraise evidence from scientific studies related to the patients' health problems.

2-4-B- Use competently all information sources and technology to improve his practice.	**2-3-2-J-** Apply knowledge of study designs and statistical methods to the appraisal of clinical studies. **2-3-2-K**- Use information technology to manage information, access on-line medical information; for the important topics.
2-4-C- Master skills of teaching and evaluating others.	**2-3-2-F-** Educate and evaluate students, residents and other health professionals.
2-4-D- Master interpersonal and communication Skills that result in effective information exchange and teaming with patients, their families, and other health professionals.	**2-3-2-L**- Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:- • Present a case. • Write a consultation note. • Inform patients of a diagnosis and therapeutic plan Completing and maintaining comprehensive. • Timely and legible medical records. • Teamwork skills. **2-3-2-M-** Create and sustain a therapeutic and ethically sound relationship with patients. **2-3-2-N**- Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills. **2-3-2-O-** Work effectively with others as a member or leader of a health care team or other professional group.
2-4-E- Master Professionalism behavior, as manifested through a commitment to carrying out professional responsibilities,	**2-3-2-P-** Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.

adherence to ethical principles, and sensitivity to a diverse patient population.	**2-3-2-Q-** Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices. **2-3-2-R-** 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. **2-4-G**- Participate in improvement of the education system.	**2-3-2-S-** Work effectively in health care delivery settings and systems related to Dermatology including good administrative and time management. **2-3-2-T-** Practice cost-effective health care and resource allocation that does not compromise quality of care. **2-3-2-U-** Advocate for quality patient care and assist patients in dealing with system complexities. **2-3-2-V-** Design, monitor and evaluate specification of under and post graduate courses and programs.
2-4-H- Demonstrate skills of leading scientific meetings including time management	**2-3-2-W-** Act as a chair man for scientific meetings including time management **2-3-2-S-** Work effectively in health care delivery settings and systems related to Dermatology including good administrative and time management.
2-4-O- Demonstrate skills of self and contin learning .	From A to H

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
Course 1 : Medical statistics		✓			
Course 2 : Research Methodology		✓			
Course 3 : Medicolegal Aspects and Ethics in Medical Practice and Scientific Research			✓		
Course4: Basic dermatology	✓	✓	✓	✓	
Course 5: Dermatopathology	✓				
Course 6 : Advanced Dermatology	✓	✓	✓	✓	✓

Intellectual

Course	Program covered ILOs								
	2/2/A	2/2/B	2/2/C	2/2/D	2/2/E	2/2/F	2/2/G	2/2/H	2/2/I
Course 1 : Medical statistics			✓	✓				✓	
course 2 : Research Methodology			✓	✓				✓	
Course 3 : Medicolegal Aspects and Ethics in Medical Practice and Scientific Research								✓	
Course4: Basic dermatology	✓	✓	✓	✓			✓	✓	
Course 5: Dermatopathology	✓	✓							
Course 6 : Advanced 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 : Medical statistics								
course 2 : Research Methodology								
Course 3 : Medicolegal Aspects and Ethics in Medical Practice and Scientific Research				✓				✓
Course4: Basic dermatology								
Course 5: Dermatopathology	✓	✓	✓	✓			✓	✓
Course 6 : Advanced Dermatology	✓	✓	✓	✓	✓	✓	✓	✓

Practical Skills (Patient care)

Course	Program covered ILOs						
	2/3/1/I	2/3/1/J	2/3/1/ K	2/3/1/L	2/3/1/ M	2/3/1/ N	2/3/1/ 0
Course 1 : Medical statistics							
course 2 : Research Methodology							
Course 3 : Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	✓	✓					
Course4: Basic dermatology							
Course 5: Dermatopathology	✓	✓	✓	✓			✓
Course 6 : Advanced 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 : Medical statistics		✓						
course 2 : Research Methodology		✓		✓	✓			
Course 3 : Medicolegal Aspects and Ethics in Medical Practice and Scientific Research								
Course4: Basic dermatology	✓							
Course 5: Dermatopathology								
Course 6 : Advanced 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	2/3/2/ P
Course 1 : Medical statistics	✓	✓	✓					
course 2 : Research Methodology	✓	✓						
Course 3 : Medicolegal Aspects and Ethics in Medical Practice and Scientific Research				✓				
Course4: Basic Dermatology			✓	✓	✓	✓		
Course 5: Dermatopathology			✓	✓				
Course 6 : Advanced Dermatology	✓	✓	✓	✓	✓	✓	✓	✓

General Skills

Course	Program covered ILOs						
	2/3/2/Q	2/3/2/R	2/3/2/S	2/3/2/T	2/3/2/U	2/3/2/V	2/3/2/W
Course 1 : Medical statistics							
course 2 : Research Methodology							
Course 3 : Medicolegal Aspects and Ethics in Medical Practice and Scientific Research							
Course4: Basic Dermatology	✓	✓	✓	✓	✓		✓
Course 5: Dermatopathology	✓		✓				
Course 6 : Advanced Dermatology	✓	✓	✓	✓	✓	✓	✓

Annex 7,
Additional information:

* Staff members:

Dermatology, Venereology and Andrology Department			
Academic degree	**Members**	**Mobile**	**Home Tel**
Head of Department			
	Prof. Dr. Eman Ryad Mohamed		
Dermatology, Venereology and Andrology Department			
Emeritus Professor	**Ensaf Mohamed Abdel-Majid**		
Emeritus Professor	**Alaa El-Din Abdel-Aal Mobasher**		
Emeritus Professor	**Nagwa Essa Abd elazim Salem**		
Emeritus Professor	**Azza Mahfouz Abdel-Majeed Fahmy**		
Professor	**Mohamed Issam El-Din Mohamed Ali**		
Professor	**Iman 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 Ibrehim**		
Associate Professor	**Hisham Zian**		
Associate Professor	**Iman Mohamed Kamal El-Sayed Yousef**		
Associate Professor	**Hisham Diab Jaber 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-MoneimBakr**	
Associate Professor	**Yasmin Mostafa Tawfik**	
Associate Professor	**Aya Youssef Badran**	
Lecturer	**Osama Mohamed Hasan**	
Lecturer	**Ahmed Abdel-Aal Abdel-Majid Abdel-Aal**	
Lecturer	**Howida Omer Towisy**	
Lecturer	**Rofaida Refaat Shehata**	
Lecturer	**Amr Alaa- Eldin Moubasher**	
Lecturer	**Marwa Mohamed Mekkay**	
Lecturer	**Ahmed elshebany**	
Lecturer	**Eman Fathy Ahmed**	
Lecturer	**Heba Hasan Sayed**	