



Medical Doctorate (M.D.) Degree Program and Courses Specifications for Dermatology and Venereology

(According to currently applied Credit point bylaws)

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

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Assiut University Faculty of Medicine Quality Assurance Unit (QAU)

M. D. degree of Dermatology, and Venereology

A. Basic Information

- **Program Title:** M.D. degree of Dermatology, and Venereology
- Nature of the program: Single.
- Responsible Department: Department of Dermatology, Venereology & Andrology Faculty of Medicine- Assiut University.
- Program Academic Director (Head of the Department):
 Prof. Dr. Eman Ryad Mohamed

Coordinator (s):

- Principle coordinator: Prof. Dr. Azza Mahfouz Abdel-Maguid
- Assistant coordinator (s): Dr. Amira Ali Abdel-Motaleb

Dr. Doaa Samir Sayed Prof. Dr. Ali Mahran

Prof. Dr. Emad Eldin Kamal

Dr. Sara Awad

Dr.Yasmin Mostafa Tawfik

Dr.Heba Hasan

- Internal evaluators: Prof Dr. Ensaf Abd El_Magued
- 🖶 External evaluator: Prof Dr. Essam Eldin Nada.
- Date of Approval by the Faculty of Medicine Council of Assiut University: 23-9-2014.
- **♣** Date of most recent approval of program specification by the Faculty of Medicine Council of Assiut University:27-11-2022
- Total number of courses: 9 courses

First part :5 courses

Second part: 2 courses,

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 levels of:
- a- Clinical skills.
- b- Patient care skills.
- c- Simple surgical maneuvers such as; skin and testicular 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, Venereology & Andrology
- D. Mention principles and measurements of quality assurance and quality improvement in medical education and in clinical practice of Dermatology, Venereology & Andrology.
- 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, Venereology & Andrology

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, Venereology & Andrology.
- 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, Venereology & Andrology
- 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 Dermatology, Venereology & Andrology) related situations.
- G, Gather essential and accurate information about patients of the Dermatology, Venereology & Andrologyrelated 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, Venereology & Andrology related conditions.
- I. Develop and carry out patient management plans for sDermatology, Venereology & Andrology related conditions.
- J. Counsel and educate patients and their families about speciality related conditions.
- K. Use information technology to support patient care decisions and patient education in all speciality (Dermatology, Venereology & Andrology) related clinical situations.
- L. Perform competently all medical and invasive procedures considered essential for the speciality (Dermatology, Venereology & Andrology) related conditions / area of practices.
- M. Provide health care services aimed at preventing the speciality (Dermatology, Venereology & Andrology) related health problems.
- N. Lead health care professionals, including those from other disciplines, to provide patient-focused care in speciality (Dermatology, Venereology & Andrology) 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 (Dermatology, Venereology & Andrology)
- B. Appraise scientific evidence.
- C. Continuously improve patient care based on constant selfevaluation and <u>life-long learning</u>.
- 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 online medical information; for the important topics.

Interpersonal and Communication Skills

- L. Master interpersonal and communication skills that result in the effective <u>exchange of information and collaboration</u> 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 Dermatology, Venereology & Andrology 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, Venereology & Andrology

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 http//www.epderm.org

Comparison between program and external reference					
Item	Dermatology, Venereology and Andrology program	American Board Of Dermatology			
Goals	Matched	Matched			
ILOS	Matched	Matched			
Duration	4-6 years	Different			
Requirement	Different	Different			
Program structure	Different	Different			

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:

	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 -6 years divided into

o Part 1

Program-related essential courses

Program-related basic science courses

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

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

o 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	Course Core Credit points			nts
list	Code	Lectures	training	total
First Part				
Basic science courses (10 CP)				
Course1:Medical statistics	FAC309A	1	-	1
Course2:Research methodology	FAC309B	1	-	1
Course 3: Medicolegal Aspects and	FAC310C	1	-	1
Ethics in Medical Practice and				
Scientific Research				
Course 4: Fungus diseases	DVA321A	2.8	0.7	3.5
(Mycology)	DVA321B	2.8	0.7	3.5
Course 5: Pathology				
Elective courses*		3 CF)	T
- Elective course 1		1.5	-	1.5
- Elective course 2		1.5	-	1.5
Thesis		40 C	Р	
Published researches**		40 C	P	
Second Part	Speciality courses 24 CP			
	Speciality (Clinical Wo	rk (log Bo	ok) 123
		СР		
Speciality Courses		24		24CP
Course 6: Advanced	DAV321C	15		
Dermatology		9		
Course 7: Advanced	DAV321D			
Venereology and Andrology				
Speciality Clinical Work (123 CP)			123	123CP
Course 6: Advanced				
Dermatology	DAV321C		74	
Course 7: Advanced				
Venereology and Andrology	DAV321D	_	49	
Total of second part				147CP

#Didactic (lectures, seminars, tutorial)

^{*} Elective courses can be taken during either the 1^{st} or 2^{nd} 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.
- o -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 the speciality.

II. Specific Requirements:

- Fluent in English (study language)

VACATIONS AND STUDY LEAVE

The current departmental policy is to give working candidate 2 weeks leave prior to first part exam and 4 weeks leave prior second part exams.

FFFS:

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.
- **Lesson** 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:	K & I
Structured essay questions	
Objective questions:	
MCQ	
Problem solving	
Clinical:	K ,I, P &G skills
Long/short cases	
OSCE	
Structured oral	K ,I &G skills
Logbook assessment	All
Research assignment	I &G skills

Weighting of assessments:

ctical Total	al
ım	
- 50	
- 50	
- 50	
- 50	
	0
- 50	0
- 50	0
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	500 cal total

Anderology			
Total of the second			1200
part			
Elective course 1			
Elective course 2			

^{* 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

Lesson 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 Mycology + oral and clinical examination
- Written exam 2 hours in Pathology + oral and clinical examination

> Second part:

- Written exam 8 hours in Dermatology + oral and clinical /practical examination
- Written exam 4 hours in Andrology and Venereology + oral and clinical /practical 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	Reports	#
(s):According to	Field visits	
department council		
External Examiner (s):		
According to		
department council		
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	Methods of
	teaching/	Evaluation
	learning	
A. List the types of variables	Lecture and	Written
, ,	discussion	examination
B. Identify the methods of data collection	Lecture and	Written
,	discussion	examination
C. Describe the different sampling	Lecture and	Written
strategies	discussion	examination
D. Identify types of tabular and graphic	Lecture and	Written
presentation of data	discussion	examination
E. Identify measures of central tendency	Lecture and	Written
and dispersion	discussion	examination
F. Identify the characters of normal	Lecture and	Written
distribution curve.	discussion	examination
G. Detect the difference between	Lecture and	Written
parametric and non-parametric tests	discussion	examination
H. Identify the concepts of correlation and	Lecture and	Written
regression	discussion	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/	Methods of Evaluation
	learning	
A. Design data entry files.	Tutorial on	Assignments
7 th 2 cong data citety intest	SPSS	SPSS exam
B. Validate data entry.	Tutorial on	Assignments
21 vanadis data siiti yi	SPSS	SPSS exam
C. Manage data files.	Tutorial on	Assignments
or manage data mesi	SPSS	SPSS exam
D. Construct tables and graphs.	Tutorial on	Assignments
Di constituet tables ana graphis.	SPSS	SPSS exam
E. Calculate measures of central	Tutorial on	Assignments
tendency and dispersion.	SPSS	SPSS exam
F. Select, apply and interpret the	Tutorial on	Assignments
proper test of significance.	SPSS	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	С	-	-	A&B
Methodology of data collection	В	-	-	A&B
Type of variables	A	-	-	A&B
Proportion test&	E,F	C&D	-	A&B
Chi-square test				
Student T test&	E,F	C&D	F	A&B
Paired T test				
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:	Head of the Department:
- Farag Mohammed Moftah	- 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	Lecture and	Written exam
study designs.	discussion	Log book
	Practical sessions	assignments
	Workshops	Practical exam
B. Identify sources and types of bias in	Lecture and	Written exam
research.	discussion	Log book
	Practical sessions	assignments
		Practical exam
C. Identify methods of data collection.	Lecture and	Written exam
	discussion	Log book
	Practical sessions	assignments
D. Select and design valid measurement	Lecture and	Written exam
tools for research.	discussion	Log book
	Practical sessions	assignments
	Workshops	Practical exam
E. Explain ethical issues in conducting	Lecture and	Written exam
research on human subjects.	discussion	Log book
	Practical sessions	assignments
	Workshops	
F. List the steps involved in proposal	Lecture and	Written exam
writing.	discussion	Log book
	Practical sessions	assignments
	Workshops	Practical exam
G. Identify a research problem within a	Lecture	Written exam
conceptual framework.	Discussion	Log book
conceptual framework.		assignments

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

B. intellectual

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

C. Practical skills

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

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-Practicalsessions- 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	- Lectures	Written
community members.	-Practical sessions	exams
	- Discussion - Readings	
H- Provide information using effective nonverbal,	- Lectures	Written
explanatory, questioning, and writing skills.	-Practical sessions	exams
	- Discussion	Practical
	- Readings	exams
I- Present results of researches in seminars.	- Lectures	Log book
	-Practical sessions	assignments
	- Discussion	
	- Readings	

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.	LecturesDiscussionReadings	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.	LecturesDiscussionReadings	Written exams

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

Time Schedule: First Part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical skills	General Skills
	A	В	C	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	Е	F	A-C&H
Observational study design	A& D	B & C	D	E & F
Experimental study design	A& D	B & C	В	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:	Head of the Department:
Prof.Mahmoud Attia	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/	Methods of Evaluation
A. Mention principals of Taking consent.	learning 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	Intellectual	Practical skills	General Skills
	A	В	C	D
 Death and death certificate. 	В,С	A	D,E	A
2. Medical Reports	A		G	A,D,E
3. Toxicological reports	D,F	В	G,F	A,E
4. Ethics in research.	A		A	
5. Medical ethics.	Е		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:	- Head of the Department:
Prof. Ghada Omran	Prof. Randa Hussein Abdel hady
Date: 17-4-2022	Date: 17-4-2022

Course 4: Fungus Diseases (Mycology)

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

I. Course data

- Course Title: Fungus Diseases (Mycology)
- Course code: DVA 321A
- Speciality: Dermatology and venereology.
- Number of points: Didactic 2.8CP (80%), practical 0.7CP (20%), total 3.5CP.
- Department (s) delivering the course: Dermatology, Venereology and Andrology
 - Coordinator (s): Coordinator (s): Staff members of Dermatology, venereology and andrology as annually approved by departmental councils
- Date last reviewed: 4/2022
- Requirements (prerequisites) if any:

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

2. Course Aims

2/1-To acquire in depth the mycology background necessary for dermatology and venereology in clinical reasoning, diagnosis and management of fungal diseases.

3. Intended learning outcomes (ILOs):

A-Knowledge and understanding

ILOs	Methods of teaching/learning	of Methods of Evaluation
A. Mention Principles of General Mycology and	-Didactic	- Written
laboratory methods used for diagnosis of different	(lectures,	and oral
fungal diseases in dermatology, mentioned in AB.	seminars,	examination
B-Describe mycology details related to the	tutorial)	- Log book
following diseases;:		
*Superficial mycoses:		
Laboratory methods		
Pityriasis versicolor,		
Other cutaneous disorders associated with		
Malassezia		
Yeast		
Tinea nigra, Black piedra,		
White piedra, Otomycosis		
Miscellaneous superfi cial fungal infections caused by		
saprophytic moulds		
Dermatophytosis		
Infections caused by Scytalidiumspecies		
Onychomycosis caused by other non-dermatophyte		
• Moulds		
Candidosis		

*Subcutaneous mycoses:

- Laboratory methods
- Sporotrichosis
- Mycetoma
- Chromoblastomycosis
- Phaeohyphomycosis
- Lobomycosis
- Rhinosporidiosis
- Subcutaneous zygomycosis,

*Systemic mycoses:

- Laboratory methods
- Histoplasmosis,
- Blastomycosis,
- Coccidioidomycosis,
- Paracoccidioidomycosis
- Infections caused by Penicillium marneffei
- Cryptococcosis,
- Systemic candidosis
- Zygomycosis
- Unusual causes of skin lesions among opportunistic systemic mycoses
- Cutaneous infection caused by Pneumocystis jiroveci
- Infections caused by Pythium insidiosum
- Protothecosis

Intellectual outcomes

ILOs	Methods of teaching/	Methods of Evaluation
	learning	
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		

Practical skills

ILOs	Methods of	Methods
	teaching/	of
	learning Lecture	Evaluation Written
A. Take history, examine and clinically	Seminars	OSCE
diagnose different conditions related to	Clinical;	Oral
Mycology in dermatology	round	MCQ
B-Order the following diagnostic procedures	Didactic	Problem
of fungal diseases in dermatology:	(lectures,	solving
Routine laboratory investigations for	seminars,	
conditions mentioned in AB.	tutorial)	
 Fungal scrapping and KOH examination 	Observation and	
 Wood's lamp examination of some fungal 	supervision	
infections		
C-Interpret the findings of diagnostic		
procedures mentioned above in CB		
D-Perform the following diagnostic		
procedures		
 Fungal scrapping and KOH examination 		
 Wood's lamp examination of some fungal infections 		
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 fungal 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 fungal 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)

B-General Skills

Practice-Based Learning and Improvement

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

Interpersonal and Communication Skills

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

Professionalism

ILOs	Methods of teaching/ Learning	Methods of Evaluation
C. Demonstrate a commitment to ethical principles.	Observation and supervisionWritten & 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	Intellectual	Practical	General
			skills	Skills
	А	В	С	D
Superficial mycoses	A,B	A.B	A-L	A-D
Subcutaneous mycoses	A,B	A.B	A-L	A-D
Systemic mycoses:	A,B	A.B	A-L	A-D

5. Methods of teaching/learning:

- 1. Didactic (lectures, seminars, tutorial)
- 2. Observation and supervision
- 3. Written & oral communication
- 4. 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.
- 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. Azaa Mahfouz Abdel-Maguid	Head of the Department: prof. Eman Ryad Mohamed	
Date 4/2022	Date: 4/2022	

Course 5: Pathology

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

I. Course data

Course Title: PathologyCourse code: DVA 321B

- Speciality: Dermatology and venereology.
- Number of points: Didactic 2.8CP (80%), practical 0.7CP (20%), total 3.5CP.
- Department (s) delivering the course: Dermatology, Venereology and Andrology
 - Coordinator (s): Coordinator (s): Staff members of Dermatology, venereology and andrology as annually approved by departmental councils
- Date last reviewed: 4/2022
- Requirements (prerequisites) if any:

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

2. Course Aims

2/1-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	Methods of
	teaching/	Evaluation
	learning	
A. Mention Principles of General pathology and	-Didactic	- Written
laboratory methods used for diagnosis of	(lectures,	and oral
different diseases in dermatology, mentioned	seminars,	examination
in AB.	tutorial)	- Log book
Structure and function of skin		
Specialized techniques in dermatopathology		
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	Methods
	teaching/	of
	learning	Evaluation
A-Take history, examine and clinically diagnose	Lecture	Written
different conditions related to Histopathology in	Seminars	OSCE
dermatology	Clinical;	Oral
	round	MCQ
B-Order the following diagnostic procedures of	Didactic	Problem
diseases in dermatology:	(lectures,	solving
 Routine laboratory investigations for conditions 	seminars,	
mentioned in AB.	tutorial)	
Skin biopsy	Observation	

	_	
 Report on H & E stained sections of skin lesions and other stains 	and supervision	
C-Interpret the findings of diagnostic procedures mentioned above in CB		
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	-Clinical round	-Log book
mentioned in A.A, A.B	-Seminars	-Chick list
	-Lectures	Oral exam

Professionalism

ILOs	Methods of teaching/ Learning	Methods of Evaluation
C-Demonstrate a commitment to ethical principles.	Observation and supervisionWritten & 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	Intellectual	Practical	General
			skills	Skills
	А	В	С	D
Structure and function of skin	A,B	A.B	-	Α
Specialized techniques in dermatopathology	A,B	A	B-D	А
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:

- 1. Didactic (lectures, seminars, tutorial)
- 2. Observation and supervision
- 3. Written & oral communication
- 4. 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.
- iii. Marks: 175

8. List of references

- i. Lectures notes
- Course notes
- Staff members print out of lectures and/or CD copies
- ii. Essential books

Date: 4/2022

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

Date: 4/2022

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

Course Coordinator Course Coordinator: prof. Azza Mahfouz Abdel-Maguid Head of the Department: prof. Eman Ryad Mohamed

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: DVA 321C
- Speciality: Dermatology
- Number of points: Didactic 15 (62.5%), practical 74 (62%),total 89 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 and testicular 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	Methods of
		teaching/	Evaluation
		learning	
A	Explain update and evidence based etiology,	Didactic;	-OSCE at
	clinical picture, diagnosis and management of	-Lectures	the end of
	the following common diseases and clinical	-Clinical rounds	each year
	conditions:	-Seminars	-log book &
	Neonatal dermatoses and genodermatoses	-Clinical	portfolio
#	• Pruritis	rotations	- MCQ
+	Eczematous skin conditions including atopic and contact	(service	examination
	dermatitis	teaching)	-Oral and
I.	Lichenoid skin eruptionsCutaneous erythemas		written
Į.	Occupational dermatoses		exam
4	Inflammatory disorders of the dermis as sweets		
	syndrome, pyoderma gangrenosum, erythema nodosum		
	and others		
*	Cutaneous physical injury as photodermatoses, cold,		
	mechanical and thermal injury.Cutaneous infections including, viral and COVID-19,		
Т	bacterial, parasitic, and fungal skin diseases with special		
	concern to leprosy and other chronic infections in our		
	community.		
+	Drug reactions		
٠.	• Skin tumours		
#	Cutaneous pigmentary disorders Cutaneous page:		
I	Cutaneous naeviUrticarial and flushing disorders		
4	 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		
I.	 Autoimmune connective tissue diseases Diseases of connective tissue and subcutaneous fat 		
Ī	Bullous skin diseases: Mechanobullous and		
	Immunobullous skin diseases		
4	 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.
- Congenital anomalies of male genital system.
- Puberty disorders
- Introduction to male infertility
- Aetiology of male infertility
- Diagnosis of male infertility
- Medical treatment of male infertility
- ❖ ART
- Surgical treatment
- Gynecomastia.
- Introduction to Sexology.
- Disorders of desire
- ❖ Aetiology of erectile dysfunction
- Diagnosis of Erectile dysfunction
- Medical treatment of ED
- Sex therapy
- Gene therapy
- Surgical treatment
- Ejaculatory disorders
- Female sexual dysfunction.
- Sexual deviations.
- Aging male.
- Introduction to STDs
- Male genital system inflammations
- Female genital system inflammations
- Genodermatosis
- Gonorrhea
- Chlamydia
- Mycoplasma
- Chancroid
- Granuloma inguinal
- Syphilis

HIV Herpes Simplex Genital warts Molluscum contagiosum Genital candidiasis Genital trichomoniasis **Parasitic STDs** 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, mechanical and thermal injury. • Cutaneous infections including, viral, bacterial, parasitic, and fungal skin diseases with special concern to leprosy and other chronic infections in our community. • Drug reactions Skin tumours Cutaneous pigmentary disorders Cutaneous naevi Urticarial and flushing disorders • Disorders of skin appendages (sweat and apocrine glands and hair) • Disorders of keratinization including psoriasis, 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

Metabolic and nutritional dermatoses

Granulomatous skin diseases as sarcoidosis and others

 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. 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 History topic	
HistocytosisNecrobiotic disorders	
Nail disorders	
D. Explain the facts and principles of the relevant	
basic and clinically supportive sciences related	
to dermatology	
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.	
S,,	

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 B. Apply the basic and clinically supportive sciences which are appropriate to the speciality related conditions / problem / topics. 	experience	Procedure/case presentation Log book
 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 speciality. 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		
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 	Clinical round with senior staff -Perform under supervision	Procedure presentation - Log book - Chick list

Wood's light examination-Bacteriological swab-Trichogram	of senior staff	
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 management plans for the following problems • Leprosy • Autoimmune connective tissue diseases • Bullous diseases: Mechanobullous and Immunobullous skin diseases • Naevi: vascular and others • Urticaria, eczema and atopic dermatitis • Mycosis fungoides and other cutaneous lymphomas		

 Skin tumours Vitiligo and pigmentary disorders Tuberculosis Psoriasis 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 	
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)

<u>D-General Skills</u> 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)	supervision	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 online 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: 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		
H. Fill the following reports: - Skin biopsy report - laser report - chemical peeling report - microdermabasion report		
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		 3600 global rating 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 Module 1: Dermatology

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical	General
			skills	Skills
-Normal skin anatomy and histology	D	A	-	D
-Physiological functions of the skin in relation to its structure	D	A	-	D
-Diagnosis of skin diseases (excluding histopathology)	D	A	-	D
- Epidemiology of skin diseases	A,D	A-J	A-D,G-L	A-G,I-P
-Evidence-Based dermatology	A,D	A-J	A-D,G-L	A-G,I-P
-Skin and skin diseases throughout life	A,D	A-J	A-D,G-L	A-G,I-P
-Racial influence on skin diseases	A,B	C	A	C,L
-Histopathology of the skin: General principles	А,В	A	A,C	A,C,D,H
-Molecular Biology	A,B	-	A,I	C,D
-Skin inflammation: Cells, molecules, mediators and their inter-relation	A,B	-	A,I	C,D
-Dermatologic immunology, allergy and photoimmunolgy: Pathogenesis and sequalae	A,B	-	A,I	C,D
-Wound healing and skin	A,B	-	A,F,I	C,D

regeneration				
-Genodermatoses: An introduction to genetics, prenatal diagnosis and selected syndromes	A,B	С	A,F,I	A,G
-Neonatal and pediatric dermatology	A,B	С	A,I	A
-Common naevi and developmental defects: Epidermal, dermal and vascular	A,B	A	A,F	A
-Pruritus: Pathway, mediators, modulators, situations and management	A,B	A-D	A	A
-Eczema, lichenification and prurigo	A,B	A-D	A,G	A
-Atopic dermatitis	A,B	A-D	A,G	A
-Contact dermatitis: Allergic, and irritant	A,B	A-D	A,G	A
-Occupational dermatoses	A,B	E,F	A	A,B
-Mechanical and thermal injury	A,B	E	A	A,G
-Reactions to cold	A,B	E	A	G
-Cutaneous photobiology: Basic principles, normal reactions, abnormal reactions, photodermatoses and phototherapy	A,B	A-D	A	A
-Viral infections: General pathology, herpes viruses, human papilloma virus, retrovirus, hepatitis viruses,HIV, Gianotti Crosti syndrome and pityriasis rosea	A,B	A-D	A,J	A
-Bacterial infections: Normal flora,	A,B	A-D	A,B,D,J	A

gram positive, gram negative and anaerobic bacteria				
-Mycobacterial infections: Tuberculosis and atypical mycobacteria	A,B	A-D	A-D, H ,J	A
-Leprosy	A,B	A-D	A-D, G-H,J	A
- Mycology : Superficial , subcutaneous and systemic mycoses with their management	A,B	A	A-D, G-H,J	A,G
- Parasitic worms and protozoa : schistosomiasis , amaebiasis and leishmaniasis	A,B	A-D	A,D,J	-
- Diseases caused by Arthropods and other Noxious Animals: such as Scabies and pediculosis	A,B	A-D	A	-
- Disorders of keratinization	A,B	A	A,C,F,G	-
-Psoriasis	A,B	A-D	A,C,F,G	A
-Bullous eruptions: · Immunobullous disorders · Mechanobullous disorders · Miscellaneous disorders of unknown aetiology	A,B,C	A-D	A,C,F,G	A
-Lichen planus and lichenoid eruptions	A,B	A	A,C,I	А,Н
-Sebaceous glands: Structure, function and diseases (including acne vulgaris, naevi and tumours	A,B	G	A,C,G. I	A
-Rosacea, perioral dermatitis and similar dermatoses, Flushing and flushing syndromes	A,B	G	A,I	
-Sweat glands: common disorders of both eccrine and apocrine glands	A,B	G	A,I	
-Disorders of connective tissue: - Elastin	A,B	G	A,C,I	

· Collagen				
· Premature aging				
-Erythemas: · Diffuse, localized, figurate, multiform and toxic · Erythroderma	A,B	G	A,I	A
-Urticaria and Mastocytosis	A,B	A	A,C,G,I	A
- Subcutaneous fat	A,B,C	A	A,C,I	Н
-Diseases of the Veins and Arteries, Leg ulcers	A,B	G	A,I	A
-Disorders of lymphatic vessels	A,B	G	A,I	M
-Purpura, microvascular occlusion and telangiectasia	A,B,C	G	A,I	M
-Cutaneous vasculitis, neutrophilic disorders and related disorders	A,B,C	G	A,G, I	Н
-Necrobiotic disorders	A,B,C	G	A,C,I	Н
-Histiocytosis	A,B,C	G	A,C,I	Н
-Cutaneous lymphomas and lymphocytic infiltrations	A,B,C	A,G	A,C,G, I	G,H,M
-Autoimmune connective tissue diseases: · Lupus erythematosus · Scleroderma, mixed connective tissue disease and dermatomyositis · Lichen sclerosus, scleroedema, Sjogren's syndrome and rheumatoid disease	A,B	B,G	A-D,G,I	A,G,M
-Metabolic and nutritional diseases: Porphyrias Xanthomas and hyperlipidaemias Amyloidosis Mucinosis and disorders of amino acid metabolism Angiokeratodermas, lipoid	A,B,C	G	A,B,C,I	G

proteinosis	I			
· Nutrition and the skin · Skin disorders in D.M				
-Sarcoidosis	A,B	A,G	A,C,I	
-Systemic diseases and the skin	A,B	G	A,I	A,M
-Psychocutaneous disorders	A,B	G	A,I	A,M
-The nails: Anatomy and nail disorders	A,B,C	G	A,D,I	A,G
-The hair: Anatomy and hair disorders	A,B	G	A-D,F-G,I	A,G
-Pregnancy related skin conditions	A,B	G	A,C,I	G
- Epidermal skin tumours: Common benign, premalignant and malignant	A,B	A	A,C,F,G, ,I	A,G,H
- Lentigos, Melanocytic naevi and malignant melanoma	A,B	A	A,C,D,F,G,	G,H
 The melanocyte: Biology, function and hypermelanosis Disorders of skin colour Vitiligo 	A,B	G,F	A,C,DG,F, G,I	F,G
- General aspects of treatment:	A,B,D	E	F-G	A,F,P
-Drug reactions, erythema multiform, Steven-Johnson syndrome and Toxic epidermal	,B,D,I	В	A,H	B,C,L,

Necrolysis				
- Cutaneous tumors	A,B,C,I	A,E	A-D,F,G	A,C,G
Tumours of skin appendages	A,B	A,E	A-D,F,G	C,G,H
-Soft tissue tumours and tumour like conditions	A,B	A,E	A-D,F,G	A,C,G,H
- The oral cavity	A,B	B,F,G	F,H,J	A
-General aspects of treatment	A,B,D	A,G	I	C
-Dermatological surgery	B,D	A,G	I	C
- Lasers and Flashlamps	B,D	A,G	I	C
 -Radiotherapy and reaction to ionizing radiation 	A,B	A,B	A,B	B,C,G
-Aging skin	A,B,C	A,B	A,C,H	B,C,G,L

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. 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: 2ndPART
- iii. Marks: 750 mark (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. 2nd edition – 2023by by Ali Alikhan, MD and Thomas L.H Hocker, MD, MPhil

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 Riad Mohamed
Date: 4/2022	Date: 4/2022

Course 7: Advanced Venereology and Andrology

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

I. Course data

- Course Title: Andrology and Venereology
- Course code: DVA 321D
- Speciality: Venereology and andrology
- Number of points: Didactic 9(15.5%), practical 49 (84.5%),total 58 CP
- Department (s) delivering the course: Dermatology, Venereology and Andrology
- Coordinator (s):

Principle coordinator: Prof. Dr. Ali Mohammed Mahran

Assistant coordinators: Prof. Dr. Emad Eldin Kamal

- 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; testicular biopsy.
- 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	Methods of
	teaching/	Evaluation
	learning	
A. Explain update and evidence based etiology, clinical picture, diagnosis and management of the following common diseases and clinical conditions:	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

Herpes Simplex	
Genital warts	
 Molluscum contagiosum 	
 Genital candidiasis 	
 Genital trichomoniasis. 	
Parasitic STDs	
B. Mention the principles of diagnostic,therapeutic	
and preventive tools for the following	
conditions	
 Aetiology of male infertility 	
 Diagnosis of male infertility 	
 Medical treatment of male infertility 	
• ART	
 Disorders of desire 	
 Aetiology of erectile dysfunction 	
 Diagnosis of Erectile dysfunction 	
 Medical treatment of ED 	
Sex therapy	
Ejaculatory disorders	
 Sexual deviations. 	
 Introduction to STDs 	
 Male genital system inflammations. 	
 Female genital system inflammations 	
 Gonorrhea 	
 Chlamydia 	
 Mycoplasma 	
Chancroid	
 Granuloma inguinal 	
 Syphilis 	
• HIV	
Herpes Simplex	
Genital warts	
 Molluscum contagiosum 	
 Genital candidiasis 	

 Genital trichomoniasis. 	
Parasitic STDs	
C. Mention briefly state of art of the following	
rare diseases and conditions	
 Hypogonadism. 	
Kallmans syndrome.	
 Klinefelters Syndrome. 	
Gay Bowel syndrome	
D. Explain the facts and principles of the	
relevant basic and clinically supportive sciences	
related to Venereology and andrology	
D. explain the facts and principles of the relevant	
basic and clinically supportive sciences related	
to Venereology and Andrology	
E. Describe the basic ethical and medicolegal	
principles revenant to the Venereology and	
Andrology	
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 speciality on the society.	

B-Intellectual outcomes

ILOs	Methods of teaching/ learning	Methods of Evaluation
 A-Design / present case in common problem related to Various andrological disorders; Varicocele. Obstructive Infertility. Erectile dysfunction. Ejaculatory disorders. Intersex. Priapism. Genital candidiasis. B-Apply the basic and clinically supportive sciences	Clinical rounds Senior staff experienc	Procedure/case presentation Log book
which are appropriate to the speciality related conditions / problem / topics.		
C-Demonstrate an investigatory and analytic thinking "problem – solving "approaches to clinical situation related to Venereology and Andrology 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 speciality.		
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 Venereology and Andrology .		

C-Practical skills (Patient Care)

ILOs	Methods of teaching/ learning	Methods of Evaluation
A-Take history, examine and clinically diagnose different conditions related to Venereology and andrology.	-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; - Intracorporal injection. Expressed prostatic secretion analysis.	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 e.g. - Testicular biopsy.	Clinical round with senior staff	Procedure presentation - Log book - Chick list
D-Perform the following noninvasive& invasive diagnostic procedures Intracorporal injection Expressed prostatic secretion analysis.	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 noninvasive& invasive therapeutic procedures. O HOME INTRACORPORAL INJECTION. Evaculation of priapism Electric cauterization for genital warts O -Cryotherapy for genital warts	Clinical round with senior staff	Procedure presentation - Log book - Chick list
G-Develop and carry out patient management plans for the following problems • male infertility • Medical treatment of ED • Ejaculatory disorders • Sexual deviations. • Male genital system inflammations. • Female genital system inflammations • Gonorrhea • Chlamydia • Mycoplasma • Chancroid • Granuloma inguinal • Syphilis • HIV • Herpes Simplex • Genital warts • Molluscum contagiosum • Genital candidiasis • Genital trichomoniasis.		

H-Counsel and educate patients and their family about ART Sex therapy Ejaculatory disorders Sexual deviations. Epidemiology of STDs Male genital system inflammations. Female genital system inflammations Gonorrhea HIV Herpes Simplex Genital warts Molluscum contagiosum Genital candidiasis Genital trichomoniasis.	Clinical round with senior staff	Procedure presentation - Log book - Chick list
I-Use information technology to support patient care decisions and patient education for andrology related conditions.		
J-Provide health care services aimed at preventing the following conditions: Male genital system inflammations. Female genital system inflammations Gonorrhea Chlamydia Mycoplasma Chancroid Granuloma inguinal Syphilis HIV Herpes Simplex Genital warts Molluscum contagiosum 		

Genital candidiasisGenital trichomoniasis.		
K-Work with health care professionals, including those from other disciplines, to provide patient-focused care.	Clinical round with senior staff	Procedure presentation - Log book
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)		- Chick list

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) B-Locate, appraises, and assimilates evidence from scientific studies related to patients' health problems. C-Apply knowledge of study designs	-Case log -Observation and supervision -Written & oral communication -Journal clubs - Discussions in seminars and clinical rounds	Procedure/case presentation -Log book and Portfolios
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:		

 EPS (expressed prostatic secretion). Intracorporaal inection Cavernosometry. 	
I-Work effectively with others as a member or leader of a health care team	

Professionalism

ILOs	Methods of	Methods of
	teaching/	Evaluation
	Learning	
J-Demonstrate respect, compassion, and integrity; a responsiveness to the needs of	Observation Senior staff experience	1. Objective structured clinical
patients and society that superseues sen-	Case taking	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.	Observatio n Senior staff	1. 360o global rating	
N-Practice cost-effective health care and resource allocation that does not compromise quality of care	experience Case taking	Case taking 6	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	
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		2. Patient survey	

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

Time Schedule: Second part

Topic	Covered ILOs			
	Knowledge	Intellectual	Practical	General
			skills	Skills
-Anatomy of Male genital	D	Α	-	D
System				
-Embryology of Male	D	Α	-	D
genital system				
-Physiology of	D	Α	-	D
reproduction				
- Epidemiology of STDs	A,D	A-J	A-D,G-L	A-G,I-P
-Evidence-Based	A,D	A-J	A-D,G-L	A-G,I-P
ANDROLOGY				
-Andrological diseases	A,D	A-J	A-D,G-L	A-G,I-P
-Molecular Biology	A,B	-	A,I	C,D
Genital inflamations	A,B	-	A,I	C,D
-Immuno-infertility	A,B	-	A,I	C,D
- An introduction to	A,B	С	A,F,I	A,G
genetics, prenatal				
diagnosis and selected				
syndromes				
Varicocele	A,B	A-D	Α	Α
-Prostatitis.	A,B	A-D	A,G	Α
-Epidiymitis	A,B	A-D	A,G	Α
-Functional infertility	A,B	A-D	A,G	Α
-Enviromental infertility	A,B	E,F	Α	A,B
-Testicular torsion	A,B	E	Α	A,G
-Genital Ulcers	A,B	E	Α	G
-Urethral discharge	A,B	A-D	Α	Α
-Erectile dysfunction	A,B	A-D	A,J	Α

A,B	A-D	A,B,D,J	Α
A,B	A-D	A-D, H ,J	Α
A,B	A-D	A-D, G-H,J	Α
A,B	Α	A-D, G-H,J	A,G
A,B	A-D	A,D,J	-
A,B	A-D	Α	-
A,B	Α	A,C,F,G	-
A,B	A-D	A,C,F,G	Α
A,B,C	A-D	A,C,F,G	Α
A,B	Α	A,C,I	A,H
A,B	G	A,C,G. I	Α
A,B	G	A,I	
A,B	G	A,I	
A,B	G	A,C,I	
A,B	G	A,I	Α
A,B	Α	A,C,G,I	Α
A,B,C	Α	A,C,I	Н
	A,B	A,B A-D A,B A-D A,B A A,B A-D A,B A A,B A-D A,B,C A-D A,B A A,B G A,B A A,B A A,B A	A,B A-D A-D, H,J A,B A-D A-D, G-H,J A,B A A-D, G-H,J A,B A-D A,D,J A,B A-D A A,B A-D A,C,F,G A,B,C A-D A,C,F,G A,B A A,C,F,G A,B G A,C,G,I A,B G A,I A,B G A,C,I A,B A A,C,G,I

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. 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: 2ndPART
- iii. Marks: 450 mark (Andrology and venereology)

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

--Sexually transmitted diseases of the tropics (Arya), Male Reproductive Health and Dysfunction (Neichlag 3rdedition), 2016. Principles of Dermatology, Venereology & Andrology Book by Staff Members of the Department of Dermatology, Venereology & Andrology -Assiut University Ashraf Fayez book of Andrology, 2018

iii. Recommended books

-Text book of Erectile Dysfunction (Goldstein), Male Infertility (Lipshults), 2nd edition, eBook, ISBN 9781841846460 Published December 22, 2008 by CRC Press.

iv. Periodicals, Web sites, ... etc

- International journal of sexual medicine.
- Human Andrology.
- Journal of Andrology.

v. others

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

9. Signatures

Course Coordinator: Prof. Dr. Ali Mahran.	Head of the Department: Prof. Dr. Eman Riad Mohamed
Date: 4-2022	Date: 4-2022

ANNEX 2 Program Academic Reference Standards (ARS)

1- Graduate attributes for medical doctorate in Dermatology and Venerology

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 Dermatology and venerology
- **2-** Have continuous ability to add knowledge to Dermatology and venerology 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 Dermatology and venerology.
- **7-** Acquire an in depth understanding of common areas of Dermatology and venerology, 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 Dermatology and venerology.
- 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 systembased 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 Dermatology and venerology or one of its subspecialties.
- **15** Use recent technologies to improve his practice in Dermatology and venerology.
- **16-** Share in updating and improving clinical practice in Dermatology and venerology.

2- Competency based Standards for medical doctorate in Dermatology and venerology

22.1- 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 venerology and relevant sciences.
- **2-1-B-** Basics, methods and ethics of medical research.
- **2-1-C-** Ethical and medicolegal principles of medical practice related to Dermatology and venerology.
- **2-1-D-** Principles and measurements of quality in Dermatology and venerology.
- **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 Dermatology and venerology related Problems.
- **2-2-B-** Problem solving based on available data.
- **2-2-C** Involvement in research studies related to Dermatology and venerology.
- **2-2-D-** Writing scientific papers.
- **2-2-E-** Risk evaluation in the related clinical practice.
- **2-2-F-** Planning for performance improvement in Dermatology and venerology.
- 2-2-G- Creation and innovation in Dermatology and venerology .
- 2-2-H- Evidence based discussion.
- **2-2-I-** Decision making in different situations related to Dermatology and venerology.

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 Dermatology and venerology.
- **2-3-B-** Master patient care skills relevant to Dermatology and venerology for patients with all diagnoses and procedures.
- **2-3-C-** Write and evaluate reports for situations related to the Dermatology and venerology.

2.4- General skills

By the end of the program, the graduate should be able to 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.
 - **Less 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	knowledge	based	and communicati	Professionalis m	Systems- based practice
Didactic (lectures, seminars, tutorial)	X	X		X	Х	X
journal club,	Х	Х	Х			
Educational prescription	Х	Х	X	X	Х	Х
Present a case (true or simulated) in a grand round		Х	X	X	X	
Observation and supervision	Х		Х	Х	Х	Х
conferences		Х	Х	Х		Х
Written assignments	Х	Х	Х	Х	Х	Х
Oral assignments	Х	Х	Х	Х	Х	Х

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	К	Intellectual		Gener	al skills	
	Patient care	К	ı	Practice-based learning/ Improvement	Interpersonal and communication skills	Professionalism	Systems-based practice
Record review	X	Х	х		Х	Х	Х
Checklist	Х				Х		
Global rating	Х	Х	X	Х	Х	Х	Х
Simulations	Х	Х	х	Х	Х	Х	
Portfolios	Х	Х	Х	Х	Х		
Standardized oral examination	Х	Х	X	Х	Х		Х
Written examination	Х	Х	Х	Х			Х
Procedure/ case log	Х	Х					
OSCE	х	Х	Х	Х	Х	Х	Х

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 decisionmaking.
- 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	Reports	#1
Unit	Field visits	
External Evaluator	Reports	#2
(s):According to	Field visits	
department council		
External Examiner		
(s): According to		
department council		
Stakeholders	Reports	#5
	Field visits	
	questionnaires	
Senior students	questionnaires	#2
Alumni	questionnaires	#

Annex 6, program Correlations:

مصفوفة توافق المعايير القومية القياسية العامة لبرامج الدكتوراه مع المعايير الأكاديمية المعتمدة من كلية الطب – جامعة أسيوط لدرجة الدكتوراه في الأمراض الجلدية والتناسلية

1- Graduate attributes

E. II ADC	NADC
Faculty ARS	NARS
1- Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in Dermatology and venerology.	1-إتقان أساسيات و منهجيات البحث العلمي
2- Have continuous ability to add knowledge new developments to Dermatology and venerology through research and publication.	2-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.	3-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 5- Function as a leader of a team to provide patient care that is appropriate, compassionate for dealing with effective and 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. 	4-دمج المعارف المتخصصة مع المعارف ذات العلاقات العلاقة مستنبطا و مطور اللعلاقات البينية بينها 5-إظهار وعيا عميقا بالمشاكل الجارية و النظريات الحديثة في مجال التخصص
6- Identify and create solutions for health problems in Dermatology and venerology.	6-تحديد المشكلات المهنية و إيجاد حلو لا مبتكرة لحلها
 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. 7- Acquire an in depth understanding of 	7-إتقان نطاقا و اسعا من المهار ات المهنية في مجال التخصص

common areas of Dermatology and	
venerology, from basic clinical care to	
evidence based clinical application, and	
possession of skills to manage independently	
all problems in these areas.	
8 - Share in updating and improving clinical	8- التوجه نحو تطوير طرق و أدوات و أساليب
practice in Dermatology and venerology.	جديدة للمز او لة المهنية
- Function as teacher in relation to colleagues,	
medical students and other health	
professions.	
9- Use recent technologies to improve his	9-استخدام الوسائل التكنولوجية المناسبة بما
practice in Dermatology and venerology.	يخدم ممارسته المهنية
O Danie a structu la colonida de constancia	'
8- Demonstrate leadership competencies	10-التواصل بفاعلية و قيادة فريق عمل في
including interpersonal and communication	سياقات مهنية مختلفة
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.	
10- Master decision making capabilities in	11-اتخاذ القرار في ظل المعلومات المتاحة
different situations related to Dermatology	
and venerology.	
11- Show leadership responsiveness to the	12-توظيف الموارد المتاحة بكفاءة و تنميتها
larger context of the health care system,	والعمل على إيجاد موارد جديدة
including e.g. the organisation of health care,	33 ·
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	13-الوعي بدوره في تنمية المجتمع و الحفاظ
health and health policy issues including	على الببئة
independent ability to improve health care,	- ,, & -
and identify and carryout system-based	
improvement of care.	

13- Show model attitudes and professionalism.	14-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 and venerology or one of its subspecialties. 15- Use recent technologies to improve his practice in Dermatology and venerology. 	15-الالتزام بالتنمية الذاتية المستمرة و نقل علمه و خبراته للآخرين

2- Academic standards

Faculty ARS	NARS
2.1. A- Established, updated and evidence- based theories, basics and developments of Dermatology and venerology and relevant sciences.	1-2-أ- النظريات و الأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة
2.1. B- Basic, methods and ethics of medical research.	1-2-ب -أساسيات و منهجيات و أخلاقيات البحث العلمي و أدواته المختلفة
2.1. C- Ethical and medicologal principles of medical practice related to Dermatology and venerology.	2-1-ج- المبادئ الأخلاقية و القانونية للممارسة المهنية في مجال التخصص
2.1. D- Principles and measurements of quality in Dermatology and venerology.	2-1-د مبادئ و أساسيات الجودة في الممارسة المهنية في مجال التخصص
2.1. E- Principles and efforts for maintains and improvements of public health.	1-2-هـ - المعارف المتعلقة بآثـار ممارسـته المهنية على البيئة وطرق تنمية البيئة وصيانتها
2.2. A- Application of basic and other relevant science to solve Dermatology and venerology related problems.	2-2-أ -تحليل و تقييم المعلومات في مجال التخصص و القياس عليها و الاستنباط منها
2.2.B- Problem solving based on available data.	2-2-ب -حل المشاكل المتخصصة استنادا علي المعطيات المتاحة
2.2.C- Involvement in research studies related to Dermatology and venerology	2-2-ج -إجراء دراسات بحثية تضيف إلى المعارف
2.2. D- Writing scientific papers.	2-2-د- صياغة أوراق علمية
2.2. E- Risk evaluation in the related clinical practice	2-2—هـ تقييم المخاطر في الممارسات المهنية
2.2.F- Planning for performance improvement in Dermatology and venerology	2-2-و -التخطيط لتطوير الأداء في مجال التخصص
2-2-G- Creation and innovation in the Dermatology and venerology.	2-2-ز - الابتكار /الإبداع

2.2. H- Evidence – based discussion.	2-2-ح- الحوار والنقاش المبنى على البراهين
	* *
	والأدلة
2.2.I- Discussion making in different situations	2-2-ط -اتخاذ القرارات المهنية في سياقات
related to Dermatology and venerology.	مهنبة مختلفة
2.3. A- MD students must be able to provide	
extensive level of patient care that is	2-3-أ -إتقان المهارات المهنية الأساسية و
compassionate, appropriate, and effective	الحديثة في مجال التخصيص
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	
Dermatology and venerology.	
2.3. B- Master patient care skills relevant to	
Dermatology and venerology or patients	
with all diagnoses and procedures.	
2.3. C- Write and evaluate reports for situations	2-3-ب- كتابة و تقييم التقارير المهنية.
related to the field of Dermatology and	
venerology.	
2.4.A-Master practice-based learning and	2-3-ج -تقييم و تطوير الطرق و الأدوات
improvement skills that involves	القائمة في مجال التخصيص
investigation and evaluation of their own	<u> </u>
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.	2-3-د - استخدام الوسائل التكنولوجية بما يخدم
and technology to improve his practice.	الممارسة المهنية
2.4.A-Master practice-based learning and	2-3-هـ -التخطيط لتطوير الممارسة المهنية
improvement skills that involves	وتتمية أداء الآخرين
investigation and evaluation of their own	وسمب ۱۵۱۹ محرین
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.	

II-Program ARS versus program ILOs

Comparison between ARS- ILOS for medical doctorate

(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 Dermatology and venerology 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 and venerology field.	2-1-C- Mention ethical, medico logical principles and bylaws relevant to his practice in the field of Dermatology and venerology.
2-1-D- Principles and measurements of quality in the Dermatology and venerology.	2-1-D- Mention principles and measurements of quality assurance and quality improvement in medical education and in clinical practice of Dermatology and venerology.
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 and venerology.
<u>2-2- Intellectual skills</u> :	2-2- Intellectual skills:
2-2-A- Application of basic and other relevant science to solve	2-2-A- Apply the basic and clinically supportive sciences which are appropriate to

Dermatology and venerology. related problems.	Dermatology and venerology 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 and venerology.
2-2-C- Involvement in research studies related to the Dermatology and venerology .	2-2-C- Plain 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 and venerology field.	2-2-F- Plan for quality improvement in the field of medical education and clinical practice in his speciality.
2-2-G- Creation and innovation in the speciality 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 and venerology fields.	2-2-I- Formulate management plans and alternative decisions in different situations in the field of the Dermatology and venerology

continuous (ARS)

2-3- Clinical skills:

- 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 and venerology for patients with all diagnoses and procedures.

continuous (ILOS)

2/3/1/Practical skills (Patient care :)

- 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 and venerology
- 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 and venerology
- 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 and venerology related situations.
- **2-3-1-G** Gather essential and accurate information about patients of the Dermatology and venerology 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 and venerology related conditions.
- **2-3-1-I-** Develop and carry out patient management plans for Dermatology and venerology related conditions.
- **2-3-1-J-** Counsel and educate patients and their families about Dermatology and venerology related conditions.
- 2-3-1-K- Use information technology to support patient care decisions and patient education in all Dermatology and venerology related clinical situations.
- 2-3-1-L- Perform competently all medical and invasive procedures considered essential for the Dermatology and venerology related conditions / area of practices.
- **2-3-1-M-** Provide health care services aimed at preventing the Dermatology and venerology related health problems.
- **2-3-1-N-** Lead health care professionals, including those from other disciplines, to provide patient-focused care in

	Dermatology and venerology related conditions.
2-3-C- Write and evaluate reports for situations related to the field Dermatology and venerology.	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).
<u>2-4- General skills</u>	2/3/2 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	2-3-2-A- Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of Dermatology and venerology
management	2-3-2-B- Appraise scientific evidence.
	 2-3-2-C- Continuously improve patient care based on constant self-evaluation and <u>life-long learning</u>. 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-N- 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-O- Create and sustain a therapeutic and ethically sound relationship with patients.
	2-3-2-P - Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.
	2-3-2-Q- 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, adherence to ethical	2-3-2-R- Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.

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principles, and sensitivity to a diverse patient population.	2-3-2-S- 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-T- Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.
2-4-F- Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.	2-3-2-U- Work effectively in health care delivery settings and systems related to Dermatology and venerology including good administrative and time management.
2-4-G - Participate in improvement of the education system.	2-3-2-V- Practice cost-effective health care and resource allocation that does not compromise quality of care.
	2-3-2-W- Advocate for quality patient care and assist patients in dealing with system complexities.
	2-3-2-X- 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-Y- Act as a chair man for scientific meetings including time management 2-3-2-U- Work effectively in health care delivery settings and systems related to Dermatology and venerology including good administrative and time management.

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: Fungus diseases(Mycology)	✓							
Course 5: Pathology	✓							
Course 6 : Advanced Dermatology	✓	✓	✓	✓	✓			
Course 7: Advanced venereology and andrology	✓	✓	✓	✓	✓			

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: Fungus diseases(Mycology)	√	√							
Course 5: Pathology	✓	✓							
Course 6 : Advanced Dermatology	√	√	√	√	√	√	√	√	✓
Course 7 : Advanced venereology and andrology	√	✓	√	✓	✓	✓	√	√	√

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: Fungus diseases(Mycology)	✓	√	~	√	✓	√	√	~
Course 5: Pathology	✓	✓	√	✓	✓	✓	√	√
Course 6 : Advanced Dermatology	√	√	√	√	√	√	√	√
Course 7: Advanced venereology and andrology	✓	✓	√	✓	✓	✓	✓	√

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: Fungus diseases(Mycology)	√	√	√	√	√	√	√			
Course 5: Pathology	✓	✓	✓	✓	✓	✓	✓			
Course 6 : Advanced Dermatology	√	√	√	√	√	√	√			
Course 7 : Advanced venereology and andrology	√	√	√	√	√	√	√			

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: Fungus diseases(Mycology)				√				√			
Course 5: Pathology				√				√			
Course 6 : Advanced Dermatology	√	√	√	√	√	√	√	√			
Course 7 : Advanced venereology and andrology	√	- √	- √	- √	- √	- √	- √	√			

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: Fungus diseases(Mycology)			√	✓						
Course 5: Pathology			✓	✓						
Course 6 : Advanced Dermatology	√	√	✓	√	√	√	√	√		
Course 7 : Advanced venereology and andrology	✓	✓	✓	✓	✓	✓	✓	✓		

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: Fungus diseases(Mycology)	✓		✓								
Course 5: Pathology	✓		✓								
Course 6 : Advanced Dermatology	✓	√	√	√	√	√	✓				
Course 7 : Advanced venereology and andrology	✓	√	√	√	√	√	√				

Annex 7, Additional information:

***** * Staff members:

1	Dermatology, Venereology and Andrology I	D epartment	
Academic degree	Members	Mobile	Home Tel
	Head of Department		
	Prof. Dr. Eman Ryad Mohamed		
De	rmatology, Venereology and Andrology	Department	
Emeritus Professor	Insaf Mohamed Abdel-Majid Khalil		
Professor	<u>Alaa El-Din Hasan Abdel-Aal Hasan</u> <u>Mobasher</u>		
Professor	Najwa Issa Abdel-Azim Salim		
Professor	Azza Mahfouz Abdel-Majeed Fahmy		
Professor	Hatem Zidan Mohamed Abdel-Razek		
Professor	Mohamed Issam El-Din Mohamed Ali		
Professor	Eman Ryad Mohamed Hanafy Othman		
Professor	Dalia Abdel-Aziz Ahmed Atallah		
Professor	Sahar Abdel-Moez Ahmed Ismail		
Professor	Ali Mohamed Abdel-Rahman Mahran		
Professor	Emad El-Din Kamal Ibrahim		
Professor	Emad Abdel-Rahim Taha Obeid		
Professor	Doaa Samir Sayed Mohamed Abdel-Kader		
Associate Professor	Fathia Ali Ibrahim		
Associate Professor	Hisham Zian		
Associate Professor	Iman Mohamed Kamal El-Sayed Yousef		
Associate Professor	Hisham Diab 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-Moneim Bakr	
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 Mahmoud El shibany	
Lecturer	Eman Fathy Ahmed	
Lecturer	Heba Hasan Sayed	

