

PROGRAM SPECIFICATIONS

Program Title:

Master Degree of Dermatology

Code:

SVSD

Program Specification

A- Basic Information

1- Program Title: **Master Degree of Dermatology**

2- Program Type: **Single** **Double** **Multiple**

3- Department (s): **Dermatology, Venereology and Andrology Department**

4- Coordinator: **Prof. Amal Hussein Ahmed Gomaa: Professor of Dermatology, Venereology, and /Andrology, Suez Canal University**

5- Last date of program specifications approval: **The bylaws of the Master program in Dermatology in the Faculty of Medicine, Suez Canal University were approved by 2/2016.**

6-Date of specification revision approval: November 2019

7- Number of credit points for this degree: 120 CP

B- Professional Information

1 – Overall Aims of Course

At the end of the rotation, the student should be able to:

1. Develop comprehensive basic and clinical knowledge, skills and experience in the diagnosis and management of patients of all ages with different dermatological diseases.
2. Obtain an orderly history.
3. Perform physical examination and recognize and interpret different skin lesions.
4. Achieve knowledge and technical skills in performing skin biopsies.
5. Perform therapeutic procedures as cryotherapy, intra-lesional injection, electrocautery and light therapy.
6. Demonstrate appropriate patient communication and function as a team member.
7. Demonstrate the ability to function as a consultant to other physicians in use.
8. Acquire basic administrative skills in management and leadership.

2 – Intended Learning Outcomes of Course (ILOs)

a -Knowledge and Understanding:

The student should be able to

- a1. Describe the structure and functions of the skin and its appendages.
- a2. Describe the histological structure of the basement membrane zone.
- a3. Describe physiology of light spectrum, and physiology of skin exposure to light.
- a4. Describe biological processes of DNA damage repair after exposure to ultraviolet rays (UVR).
- a5. Describe skin contribution in thermoregulation, and different functions of sweat.
- a6. Identify the immune functions of the skin.
- a7. Explain basic cellular and humoral immunity pathways and hypersensitivity reactions.
- a8. Recognize and discuss the microbiological features of the most common pathogens in cutaneous diseases (streptococci, staphylococci, dermatophytes, candida, herpes virus family, human papilloma virus, and pox viruses) and common pathogens causing STDs (Treponema pallidum, N. Gonorrhoea, Chlamydia, Herpes progenitalis, HIV, HBV, and HPV).
- a9. Explain the embryology, anatomy, and functions of the male genital tract.

- a10. Describe pathogenesis, clinical picture and management of immune- and mechano-bullous diseases.
- a11. Mention the presentation, aetiopathogenesis, and management of papulosquamous disorders.
- a12. Describe the presentation, aetiopathogenesis, management of vitiligo and other disorders of pigmentation.
- a13. Describe breast tumors risk factors, predisposing genes, types, staging, grading, diagnosis and management.
- a14. Discuss clinical presentation, aetiopathogenesis and management of connective tissue diseases.
- a15. Describe the presentation, aetiopathogenesis and management of benign and malignant epidermal, adnexal and melanocytic skin tumors.
- a16. Describe the presentation, aetiopathogenesis and management of histiocytosis and mastocytosis.
- a17. Explain the presentation, aetiopathogenesis and management of ichthyoses.
- a18. Outline different psychocutaneous disorders, their origin, features, and management (trichotillomania, neurodermatitis, dermatitis artefacta, etc.).
- a19. Describe and recognize the psychological effects of different dermatological diseases.
- a20. Detect the involvement of skin in different systemic disorders (Blood disorders, metabolic disorders, endocrine diseases, liver diseases, kidney diseases, blood and solid neoplasms, systemic connective tissue disorders).
- a21. Describe different paraneoplastic syndromes affecting the skin.
 - a. Identify signs of skin involvement in breast cancer.
- a22. Identify patients with underlying critical limb ischemia, varicose veins, lymphedema, and other vascular disorders.
- a23. Explain steps of thesis protocol writing and basis of research ethics
- a24. Outline definition of STDS – Classification of STDs.
- a25. Describe factors affecting prevalence and incidence, prevention and control of STDs.
- a26. Outline non-infectious sexually-induced diseases: trauma, allergic, immune reactions, and malignancy.
- a27. Identify differential diagnosis of genital ulcers and discuss chancroid, lymphogranuloma venerium, granuloma inguinale, and Herpes progenerialis
- a28. Describe Syphilis regarding the mode of infection, natural course, clinical picture, characteristic lesions and differential diagnosis of each stage, approach to diagnosis, plan of treatment and types of reactions
- a29. Identify and discuss differential diagnosis of urethral discharge
- a30. Describe mode of transmission, clinical pictures, complications and plan of management of gonorrhoea.
- a31. Describe the etiology, clinical pictures (in both male and female), differential diagnosis and management of each type of non- gonococcal urethritis (NGU).
- a32. Outline the definition and classification, etiology and clinical pictures of prostatitis.
- a33. Outline syndromes complicating NGU: Reiter's Disease, Pelvic Inflammatory Disease, and Fitz Hough Curtis Syndrome.
- a34. Outline genital growths e.g. molluscum contagiosum, condyloma accuminata
- a35. Discuss acquired immunodeficiency syndrome (AIDS).
- a36. Demonstrate basic knowledge of research ethics
- a37. Demonstrate basic knowledge of biostatistics

b- Intellectual Skills:

The student should be able to:

- b1. Employ problem solving skills in facing his daily work.
- b2. Analyze clinical manifestations in presenting patients.
- b3. Identify a set of differential diagnoses for different presentations.

- b4. Order proper investigations, and interpret their results for dermatological and venereal diseases.
- b5. Describe the dermatopathological features of different skin disorders.
- b6. Analyse skin biopsy report and interpret the possible management steps and prognosis of patients.
- b7. Analyze complaint of patients presenting with drug rash, and reaching the offending drug
- b8. Suggest an appropriate plan of management for dermatological and venereal diseases.
- b9. Apply the basic statistical and ethical requirements for the completion of research thesis
- b10. Implement the appropriate research methodology

c- Professional and Practical Skills

The student should be able to:

- c.1 Take a full dermatological or STDs history.
- c.2 Explore patient's concerns and expectations
- c.3 Examine skin, hair, nails and mucous membranes systemically showing respect to the patient.
- c.4 Describe cutaneous signs in skin, hair, nails and mucosa, in different skin disorders.
- c.5 Perform general examination, and identify signs of systemic involvement.
- c.6 Perform lymph node examination.
- c.7 Break bad news to patients with chronic diseases, cancer, and genodermatoses.
- c.8 Record the findings accurately in the patient's records.
- c.9 Perform dermatological procedures e.g. skin biopsy, cryosurgery, intralesional injection, chemical- and electro-cauterization.
- c.10 Perform curative and diagnostic procedures e.g. skin and genital biopsy, chemical or electrical cautery for genital lesions (e.g., warts).
- c.11 Recognize the rare presentations of common as well as uncommon/rare venereal diseases and patients' personal variations.
- c.12 Manage patients with urethral or, vaginal discharge, genital ulcers or growths.
- c.13 Teach effectively and act as a mentor to others.
- c.14 prepare a protocol for conduction of a research.

d- General and Transferable Skills

The student should be able to:

- d.1 Present information clearly in written, electronic and oral forms
- d.2 Communicate ideas and arguments effectively;
- d.3 Manage time and resources and set priorities;
- d.4 Apply the principles of scientific research
- d.5 Analyze and use numerical data (Use simple statistical methods)
- d.6 Deal with uncertainty and work within a changing environment;
- d.7 Teach effectively and act as a mentor to others
- d.8 Work effectively within a team.
- d.9 Communicate effectively with individuals regardless of their social, cultural or ethnic backgrounds, or their disabilities.
- d.10 Take ethical issues into consideration, during research conduction, and in his/her daily work.
- d.10 Use computers efficiently

3. Structure and Contents

3a- Program duration: the program lasts for a minimum of 2 academic years and maximum 5 years, as specified in the internal bylaws for postgraduate studies based on credit points system in the Faculty of Medicine, Suez Canal University approved on February 7th, 2016.

3b- Program structure:

Master Program Credit points (CP) structure:

Total needed credit points for getting master degree 120 CP

The program consists of **First part 30 CP, Thesis 30 CP, and Second part 60 CP**

1. The first part of the program: 30 CP, its duration (15 weeks) for one academic semester. It includes
 - a. A course in Research Methodology planned and held in the Community Medicine Department of the Faculty of Medicine, Suez Canal University. This part includes 4 CP.
 - b. A courses in Research ethics planned and held in the Forensic and Toxicology Department of the Faculty of Medicine, Suez Canal University. This part includes 2 CP.
 - c. One elective course, the students should select one elective among six courses. This part includes 2 CP.
 - d. A course in pathology in pathology department of the Faculty of Medicine, Suez Canal University. This part includes 4 CP.
 - e. A course in applied phsiology in phsiology department of the Faculty of Medicine, Suez Canal University. This part includes 3 CP.
 - f. A course in applied biochemistry in biochemistry department of the Faculty of Medicine, Suez Canal University. This part includes 3 CP.
 - g. A course in microbiology, and immunology in microbiology department of the Faculty of Medicine, Suez Canal University. This part includes 4 CP.
 - h. A course in applied psychiatry in neuropsychiatry department of the Faculty of Medicine, Suez Canal University. This part includes 3 CP.
 - i. A course in internal medicine in internal medicine department of the Faculty of Medicine, Suez Canal University. This part includes 3 CP.
 - j. A course in general surgery in surgery department of the Faculty of Medicine, Suez Canal University. This part includes 3 CP.
2. Master thesis: 30 CP, not included in the total marks for master degree, the candidate has the right to register the thesis protocol after 6 months from the degree registration. The thesis defense is allowed after 6 months from the date of the faculty council approval on the thesis protocol and passing the first part exam.
3. The second part of the program: 60 CP (including 5 CPs of scientific activities that are not awarded any marks), its duration (45 weeks) for 3 consecutive academic semesters. The second part comprises the specialized courses in dermatology and venereology, planned and held in the Dermatology, Venereology, and Andrology Department. This part lasts for a minimum of 1.5 years ending by written and practical exams.

3bi- No. of credit Points: the Master program is 120 Credit Points. Every credit point equal 20 marks.

3biü- No. of hours per week: Every credit point include 25 working hour (30% = 7 hours for face to face learning activities, and 70% =18 hours for self-learning activities).

*33 working hours/ week, 30% = 10 hours for face to face learning activities, and 70% =23 hours for self-learning activities).

4- **Program Admission Requirements**

1. Registration for the program opens 2 times/year, according to the internal bylaws for postgraduate studies of the Faculty of Medicine, Suez Canal University.
2. To accept the candidate, he/she must:
 - 1) have acquired a bachelor degree in Medicine and Surgery, from any Egyptian governmental university, or any equivalent degree from any other university accredited by the Supreme Council of Universities.
 - 2) have finished his/her internship year, or its equivalent.
 - 3) provide an accredited written approval from the employer institute for program admission.
 - 4) fulfill the dermatology and andrology department's requirements for program admission.

5 -**Program Courses**

5.1- Level of Program: 1st part MSc

a. **Compulsory:**

Course	Code	Credit points	Assessment (in marks)		
			Written	Oral	Clinical
Research Methodology	RB	4	80		
Research ethics	RE	2	40		
Pathology	SVSD01	4	60	20	
Physiology	SVSD06	3	45	15	
Biochemistry and Molecular Biology	SVSD05	3	45	15	
Microbiology, and immunology	SVSD02	4	60	20	
Psychiatry	SVSD03	3	35	15	
Internal medicine	SVSD04	3	25	10	25
General surgery	SVSD07	2	20	5	15

b. **Elective:**

Student should select one course of the following as an elective course:

One elective course has 2 CP. The students should select one elective in first part of the Master degree

E01	Evidence Based medicine	(Community Department)
E02	Scientific Writing	(Medical Education Department)
E03	Quality in Medical Education	(Medical Education Department)
E04	Infection Control	(Microbiology Department)
E05	Critical Appraisal	(Community Department)
E06	Communication Skills	(Medical Education Department)

5.2- **Thesis:**

A faculty senior & junior supervisor from the staff members are nominated by the department council to prepare a proposal of the thesis protocol after the selection of a subject that is complementary to the research plans of the department. Data collection, methodologies, study question, time table, ethical considerations and budget are formulated by the candidate under guidance of his supervisors into a research project. The research protocol is discussed then openly in

one of the department councils to be approved and diverted to the Faculty research committee where it is subjected to a critical appraisal to meet the research basic standards set by the committee. The final approvals of the research protocol are then issued by the committee of postgraduate studies, the Faculty and University Council to be registered. The candidate has the right to register his/her thesis protocol after 6 months from the degree registration. The first time for thesis defense after 6 months from the date of the faculty council approval on the thesis protocol and passing the first part exam.

N.B. Thesis represents 30 credit points not included in the total mark for master degree.

5.3- Level of Programme: 2nd part MSc

Courses			Assessment					
Code No.	Course Title	No. of Credit points	Written Exam			Oral	Clinical	Continues assessment *(Portfolio)
			Papers No	Duration	Marks			
SVSD08	Advanced Course in dermatology, and venereology	15	2	3 hours For each paper	165 / paper (total 330)	110	330	330
	Practical specialized training in dermatology, and venereology	40						
	***Scientific activities (not included in the total marks)	5						
Total (2nd part of MSc course)		60 CPs**	1100 marks					
Total for MSc degree		120 CPs	1700					

*Portfolio scores distributed in the different parts of the portfolio and its total score is included among the total mark of the second part

**Every credit point equal 20 marks

***Scientific activities are awarded 5 CPs not included in the total marks

6- Student Assessment Methods

- | | |
|--------------------------|---|
| 1 Written (MEQ) | to assess the cognitive domain. |
| 2 MCQs | to assess the cognitive domain |
| 3 Oral Viva Cards | to assess higher cognitive and attitude domains. |
| 4 Observations | to assess practical and presentation skills. |
| 5 Portfolio | to assess the cognitive, psychomotor and the affective domains. |

7- Weighting of Assessments

Type of exam

First part

(30 credit points= 600 mark)

- Written exam 450
- Oral and practical exam 150
- **Total** 600

Second part

(60 credit points including 5 credit points not included in the total marks =1100 mark)

- Oral exam 110
- Practical/clinical exam 330
- Written exam 330
- Portfolio 330
- Total** 1100

Total of the Master degree 1700

8- Regulations for Progression and Program Completion

The regulations for program completion follow the regulations of Master degree of Dermatology in the Faculty of Medicine, Suez Canal University approved by the Supreme Council of Universities.

- **First part**

Passing level 60% of total marks of the exam

At least 50% passing level of the total written exam marks

- **Second part**

Passing level 60% of total marks of the exam

Passing level 50% of total written marks of the exam

Passing level 60% is total oral & clinical/practical marks of the exam

- **Thesis/Assay**

Passing thesis defense is prerequisite for getting Master Degree

9- Evaluation of Program Intended Learning Outcomes (ILOs)

Evaluator	Tool	Sample
1- Postgraduate students	Needs assessment questionnaires	Random sample of participants
2- Alumni	Self-administered questionnaires	Comprehensive sample
3- Stakeholders	Self-administered questionnaires	Random sample
4-External Evaluator(s) (External Examiner(s))	External audit of the program specifications	

Head of Dermatology, Venereology, and Andrology department

Prof. Mona A. Atwa

Date: /11/2019