

## PROGRAM SPECIFICATION FOR MASTER DEGREE IN DERMATOLOGY, VENEROLOGY AND ANDROLOGY

### A. Basic Information:

1. **Program Title:** Master Degree in Dermatology, Venereology & Andrology
2. **Program Type:** Single
3. **Faculty:** Faculty of Medicine, Aswan University
4. **Department:** Dermatology, Venereology & Andrology.
5. **Coordinator:** Prof. Moustafa A. El Taieb, MD.
6. **Assistant coordinators:** Dr. Aly Younis, MD.
7. **External Evaluator:** Prof. Essam Eldin Nada, MD, Sohag University.

### B. Professional Information:

#### 1. Program Aims:

The aim of this program is to provide the graduates with the basic medical knowledge and skills essential for the practice of dermatology, Venereology & Andrology and necessary to gain further training and practice in this field and medical research through providing:

1. Scientific knowledge essential for the practice of Dermatology and Andrology according to the international standards.
2. Skills necessary for proper diagnosis and management of patients including diagnostic, problem solving and decision making skills.
3. Sound ethical principles related to medical practice.
4. Active participation in community needs assessment and problems solving.
5. Maintenance learning abilities necessary for continuous medical education.
6. Maintenance research interest and abilities.

## **2. Program Intended Learning Outcomes (ILOs)**

### **a) Knowledge and Understanding:**

By the end of the study of doctoral program in Dermatology, Venereology and Andrology the Graduate should be able to:

- a1. Mention the normal structure and function of the human integumentary and reproductive systems on the macro and micro levels.
- a2. Understand the normal growth and development of the human integumentary and reproductive systems.
- a3. Understand the abnormal structure, function, growth and development of human integumentary and reproductive systems and natural history of various dermatological, venereal and andrological diseases.
- a4. Understand the natural history of Dermatological, Venereal and Andrological problems.
- a5. Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of dermatological, venereal and andrological illnesses.
- a6. Mention the causation of disease and disease pathogenesis.
- a7. Enumerate methods of promoting health and preventing illness.
- a8. Describe the scientific methods of establishing disease causation.
- a9. Understand the various diagnostic and laboratory techniques necessary to establish diagnosis of various dermatological, venereal and andrological illnesses.
- a10. List the various therapeutic methods /alternatives used for various dermatological, venereal and andrological illnesses.
- a11. Understand scientific development in the field of Dermatology, Venereology and Andrology.
- a12. Understand the mutual influence between professional practice and its impacts on the environment.
- a13. Mention the ethical and legal aspects of professional practice in the field of Dermatology, Venereology and Andrology.
- a14. Know the principles and fundamentals of quality of professional practice in the field of Dermatology, Venereology and Andrology.
- a15. Know the basics and ethics of scientific research.

### **b) Intellectual Skills**

By the end of the study of doctoral program in Dermatology, Venereology and Andrology the Graduate should be able to:

- b1. Integrate data acquired through history taking to reach a provisional diagnosis for various Dermatological, Venereal and Andrological problems.
- b2. Select from different diagnostic alternatives the ones that help reaching a final diagnosis for Dermatological, Venereal and Andrological problems.
- b3. Link between knowledge for Professional problems' solving.
- b4. Conduct research study and/or write a scientific study on a research problem.
- b5. Assess risk in professional practices in the field of Dermatology, Venereology and Andrology.
- b6. Plan to improve performance in the field of Dermatology, Venereology and Andrology.
- b7. Identify Dermatological, Venereal and Andrological problems and find solutions.
- b8. Analyze researches and issues related to Dermatology, Venereology and Andrology.

### **c) Professional and Practical Skills**

By the end of the study of master program in Dermatology, Venereology and Andrology the Graduate should be able to:

- c1. Master of the basic and modern professional skills in the area of Dermatology, Venereology and Andrology.
- c2. Perform physical examination of patients for dermatological and reproductive systems.
- c3. Interpret the results of diagnostic procedures.
- c4. Diagnose common illnesses.
- c5. Recognize patients with life threatening dermatological conditions and initiate the proper management according to patient's needs.
- c6. Write a treatment prescription.
- c7. Write and evaluate clinical and semen reports.

c8. Perform basic diagnostic and therapeutic techniques and measures in this practice (skin biopsy, intracorporeal injections, intradermal injections using dermojet, electrocautery, etc.....)

#### d) General and Transferable Skills

By the end of the study of master program in Dermatology, Venereology and Andrology the Graduate should be able to:

- d1. Communicate effectively by all types of effective communication.
- d2. Use information technology to serve the development of professional practice
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Develop rules and indications for assessing the performance of others.
- d6. Work in a team, and team's leadership in various professional contexts.
- d7. Manage time efficiently.
- d8. Learn himself continuously.

#### 3. Academic Standards:

Sohag Faculty of Medicine adopted the general **National Academic Reference standards (NARS)** provided by the national authority for quality assurance and accreditation of education (naqaae) for postgraduate programs. This was approved by the Faculty Council decree No.6854, in its session No.177 Dated:18/5/2009. Based on these NARS; Academic Reference Standards (ARS) were suggested for this program. These ARS were approved by the Faculty Council decree No.7528, in its session No. 191, dated: 15/3/2010.

#### 4. Curriculum Structure and Contents:

4.a- **Program duration:** 6 semesters (3 years).

4.b- **Program structure:**

4.b.i- No. of hours per week:

Subject	hours /week		
	Lectures	Practical	Clinical
<b>First Part:</b>			
Physiology	1	----	---
Biochemistry	1	----	----

Medical Microbiology & Immunology	1	----	----
Pathology	1	2	----
Internal medicine	1	----	1
General Surgery	1	----	1
Psychiatry	1.5	----	----
<u>Second Part:</u>			
Dermatology	2	----	4
Venereology & Andrology	1	----	2

## 5. Program Courses: 9 courses are compulsory.

### 5.1- Level of program:

Course Title	Total No. of hours	No. of hours /week			Program ILOs Covered
		Lect.	Lab.	Exer.	
FIRST PART					
a- Compulsory:					
Physiology	15	1	--	--	a.1, a.2, a.3, b.3, c.3, d.2
Biochemistry	15	1	--	--	a.1, a.2, a.3, b.3, c.3, d.2
Medical Microbiology & Immunology	15	1	--	--	a.1, a.4, a.5, a.6, a.7, a.8, a.9, b.2, b.7, c.3, d.2
Pathology	75	1	2	--	a.1, a.2, a.3, a.4, a.6, a.8, b.3, c.4, d.2
Internal medicine	45	1	--	1	a.4, a.5, a.6, a.9, a.10, b.1, b.3, c.3, c.4, c.5, d.2
General Surgery	45	1	--	1	a.4, a.9, b.1, b.3, c.2, d.2
Psychiatry	30	1.5	--	--	a.4, a.5, a.10, b.1, c.2, d.2
SECOND PART					
Dermatology	405	2	--	4	a.1, a.2, a.3, a.4, a.5, a.6, a.7, a.8, a.9, a.10, a.11, a.12, a.13, a.14, a.15, b.1, b.2, b.3, b.4, b.5, b.6, b.7, b.8, c.1, c.2, c.3, c.4, c.5, c.6, c.7, c.8, d.1, d.2, d.3, d.4, d.5, d.6, d.7, d.8
Venereology & Andrology	270	1	--	2	a.1, a.2, a.3, a.4, a.5, a.6, a.7, a.8, a.9, a.10, a.11, a.12, a.13, a.14, a.15, b.1, b.2, b.3, b.4, b.5, b.6, b.7, b.8, c.1, c.2, c.3, c.4, c.6, c.7, c.8, d.1, d.2, d.3, d.4, d.5, d.6, d.7, d.8

## 6. Program Admission Requirements:

### I. General requirements:

- Candidates should have either:
  - MBBCh Degree from any Egyptian Faculty of Medicine or
  - Equivalent Degree from Medical School abroad approved by the Ministry of Higher education
- Candidates should complete the house office training year.
- Those who are not university hospital residents should pass a training for at least 12 months in one of the known hospital

4. Follow postgraduate regulatory rules of Sohag Faculty of Medicine.

## **II. Specific requirements:**

- Candidates graduated from Egyptian Universities should have at least "Good Rank" in their final year/cumulative year's examination, and grade "Good Rank" in Dermatology, Venereology and Andrology course too.
- Candidates should know how to speak and write English well.
- Candidates should have computer skills.

## **7. Regulations for Progression and Program Completion:**

Duration of program is 6 semesters (3years), starting from registration till the 2<sup>nd</sup> part exam; divided to:

### **First Part:** (≥6 months=1 semester):

- Program-related basic and clinical sciences.
- At least six months after registration should pass before the student can ask for examination in the 1<sup>st</sup> part.
- Two sets of exams: 1st in April —2nd in October.
- For the student to pass the first part exam, a score of at least 60% in each curriculum is needed (with at least 40% of the written exam).

Those who fail in one curriculum need to re-exam it only.

### **Thesis:**

- Starts after at least 6 months from registration and should be completed, defended and accepted at least after passing 6 months from documentation, and after passing the 1<sup>st</sup> part examination, and at least one month before allowing to enter 2<sup>nd</sup> part final examination.
- Accepting the thesis is enough to pass this part.

### **Second Part:** (≥24 months=4 semesters):

- Program related specialized science of Dermatology, Venereology and Andrology Courses.
- After passing at least:
  - University hospital residents: 36 months residency in the department of Dermatology, Venereology and Andrology.
  - Residents in other places: 12 months training in the department of Dermatology, Venereology and Andrology.

- The student should pass the 1<sup>st</sup> part before asking for examination in the 2<sup>nd</sup> part.
- Fulfillment of the requirements in each course as described in the template and registered in the log book is a prerequisite for candidates to be assessed and undertake part 1 and part 2 examinations; as following:

Grand rounds	اجتماع علمي موسع
Training courses	دورات تدريبية
Conference attendance	حضور مؤتمرات علمية
Thesis discussion	حضور مناقشات رسائل
Workshops	حضور ورش عمل
Journal club	ندوة الدوريات الحديثة
Case presentation	تقديم حالة مرضية
Seminars	لقاء علمي موسع
Morbidity and Mortality conference	ندوة تحليل المخاطر المرضية أو الوفاة
Self education program	برنامج التعليم الذاتي

- Two sets of exams: 1st in April— 2nd in October.
- For the student to pass the second part exam, a score of at least 60% is needed (with at least 40% of the written exam).
- 4 times of oral and practical exams are allowed before the student has to re-attend the written exam.

## 8. Methods of student assessments:

Method of assessment	The assessed ILOs
1-Research assignment	-general transferable skills, intellectual skills
2-Written Exams:	
-Short essay	-knowledge
-MCQs	-knowledge, intellectual skills
-Commentary	- intellectual skills
-Problem solving	-general transferable skills, intellectual skills
3-Practical Exams	
4-OSPE	- Practical skills, intellectual skills
5-Clinical Exams.	- Practical skills, intellectual skills
6-OSCE	- Practical skills, intellectual skills
7-Oral Exams.	- Practical skills, intellectual skills
8-Structured Oral Exams	- Practical skills, intellectual skills
	- knowledge



-knowledge-

## 9. Evaluation of Program:

Evaluator	Tool	Sample
1- Senior students	Questionnaire	
2- Alumni	Questionnaire	
3- Stakeholders ( Employers)	Questionnaire	
4- External Evaluator(s) (External Examiner(s))	Reports	
5- Other		

## Course Specifications of Physiology for Master Degree in Dermatology, Venereology and Andrology

1. Program on which the course is given: Master Degree in Dermatology, Venereology and Andrology
2. Major or Minor element of program: Minor
3. Department offering the program: Department of Dermatology, Venereology and Andrology
4. Department offering the course: Department of Physiology
5. Academic year / Level: 1<sup>st</sup> part
6. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

### A. basic information:

1-title: physiology

2-program on which this course is given: master

3-year/level of program: 1<sup>st</sup> part of master

Lectures:	Practical:	Tutorial	Total:
15h	-----	-----	15 h

### 4-units / credit hours:

Lectures: 15 hours      tutorial / practical: 0 hours      total: 15 hrs

### B. professional information:

#### 1. Overall Aims of Course:

1. To prepare a dermatology, Venereology & andrology physician oriented with the physiology of skin & sweat glands also that of pain sensation, its receptors & disorders as itching sensation & hyperalgesia.
2. It is very important to know the physiology of male reproductive system & its disorders.
3. In addition , graduates should have enough knowledge about the autonomic nervous system, hypothalamic regulation, skin pigmentation in addition to the physiology of some endocrine glands as thyroid adrenal & pituitary also pancreas.

## **2. Intended Learning Outcomes of Courses (ILOs):**

### **a- Knowledge and understanding:**

By the end of this course, students should have adequate knowledge about:

- a.1- Mention the normal function of the human integumentary, endocrine and reproductive systems on the macro and micro levels.
- a.2- Understand the normal growth of the human integumentary and reproductive systems.
- a.3- Understand the abnormal function, growth and of human integumentary and reproductive systems

### **b- Intellectual skills:**

By the end of the course, the student is expected to be able to:

- b.1- Link between knowledge of the functions of integumentary and reproductive systems for Professional problems' solving.

### **c- Professional and practical skills:**

By the end of the course, the student is expected to:

- c.1- Interpret the results of diagnostic procedures on physiological bases.

### **d- General & transferable skills:**

By the end of the course, the student is expected to:

- d.1- Use information technology of the functions of the integumentary and reproductive systems to serve the development of professional practice

## **3. Contents of the course:**

Topic	No. of hours	Lecture	Practical
skin functions & sweat glands	1	1	-
the physiology of the autonomic nervous system	2	2	-
the physiology of male reproductive system & its disorders	2	2	-
regulation of body temperature	2	2	-
hypothalamic thermostat	1	1	-

pain sensation, receptors & disorders	2	2	-
itching sensation, hyperalgesia	1	1	-
skin pigmentation	1	1	-
thyroid, adrenal, pancreas & pituitary glands	3	3	-
<b>Total</b>	<b>15</b>	<b>15</b>	<b>-</b>

#### **4. Teaching and Learning Methods:**

4.1- Lectures

4.2- Assignment

#### **5. Student Assessment Methods:**

5.1- Research assignment: to assess general transferable skills, intellectual skills.

5.2- Written exams:

- Short essay: to assess knowledge.

5.3- Oral Exams: to assess knowledge.

5.4- Structured oral exams: to assess knowledge.

#### **Assessment Schedule:**

Assessment 1: Final written exam week: 24-28

Assessment 2: Oral exam week: 24-28

#### **Weighting of Assessments:**

Final Written Examination 50 %

Oral Examination 50 %

Other types of assessment 0%

Total 100%

**Formative only assessment: simple research assignment, attendance and absenteeism**

#### **6. List of References:**

##### **6.1- Course Notes:**

Lectures notes prepared by staff members in the department.

##### **6.2- Essential Books (Text Books):**

Medical physiology books by Staff Members of the Department of Medical physiology -Assiut University.

### **6.3- Recommended Books:**

- Gyton textbook of physiology
- William F. Ganong: Review of Medical Physiology, 22nd Edition, McGraw-Hill Companies, 2005.

### **6.4- Periodicals, Web Sites, ... etc**

- American journal of physiology.
- Journal of applied physiology.
- Journal of clinical endocrinology and metabolism.
- Physiological Review.

## **7. Facilities Required for Teaching and Learning**

1. Appropriate teaching class
2. Computers and data show

**Course Coordinator:**

**Head of Department:**

**Date:**

## Course Specifications of Medical Biochemistry for Master Degree in Dermatology, Venereology and Andrology

1. Program on which the course is given: Master Degree in Dermatology, Venereology and Andrology
2. Major or Minor element of program: Minor
3. Department offering the program: Department of Dermatology, Venereology and Andrology
4. Department offering the course: Department of Medical Biochemistry
5. Academic year / Level: 1<sup>st</sup> part
6. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

### A. Basic Information

**Title: Medical Biochemistry**

**Code:**

Lectures:	Practical:	Tutorial	Total:
15h	-----	-----	15 h

**Credit Hours: one hour**

**Lecture: 1 hour/w**

**Tutorial:**

**Total: 15h /six month**

### B. Professional Information

#### 1. Overall Aims of Course

By the end of the course the post graduate students should be able to have the professional knowledge of the biochemistry of the dermatology diseases, and able to protect and diagnose any vitamin deficiency for any diseases

#### 2. Intended Learning Outcomes of Course (ILOs)

##### a) **Knowledge and Understanding:**

By the end of the course, the graduate should be able to:

- a1. Mention the normal structure and function of the human integumentary and reproductive systems on biochemical bases.
- a2. Understand the normal development of the human integumentary and reproductive systems on biochemical bases.

- a3. Understand the abnormal structure, function and development of human integumentary and reproductive systems on biochemical bases.

**b) Intellectual Skills:**

By the end of the course, the graduate should be able to:

- b.1- Link between biochemical knowledge for Professional problems' solving.

**c) Professional and Practical Skills:**

By the end of the course, the graduate should be able to:

- c.1- Interpret the results of diagnostic procedures on biochemical bases.

**d) General and Transferable Skills:**

By the end of the course, the graduate should be able to:

- d.1- Use information technology of Biochemistry to serve the development of professional practice.

**3. Contents**

Topic	No. Of hours	Lecture	Tutorial /Practical
New advances in information technology of Biochemistry	0.5	0.5	----
Fructose Metabolism	1	1	----
Glycolysis, Krebs cycle	1	1	----
Hexose monophosphate	1	1	----
Eicosanoids	0.5	0.5	----
Sex Hormones	1	1	-----
Diabetes	1	1	----
Vitamin A, E; Minerals (Zinc)	1	1	----
Lipid profile, essential fatty acids	1	1	----
Mutation	1	1	----
Levels of protein structures	1	1	----

Epithelial and connective tissue	1	1	----
Keratin and white fibrous tissue (Elastin and collagen)	1	1	----
Biochemistry of hyaluronic acid and chondroitin sulphates A, B, C	1	1	----
Skin and hair pigmentations.	1	1	-----
Dermatomyositis and dermatosis	1	1	-----
Total:	15	15	-----

#### **4. Teaching and Learning Methods:**

4.1- Lectures

4.2- Assignment

#### **5. Student Assessment Methods:**

5.1- Research assignment: to assess general transferable skills, intellectual skills.

5.2- Written exams:

- Short essay: to assess knowledge.

5.3- Oral Exams: to assess knowledge.

5.4- Structured oral exams: to assess knowledge.

#### **6- Assessment Schedule:**

Assessment 1: Final written exam week: 24-28

Assessment 2: Oral exam week: 24-28

#### **Weighting of Assessments:**

Final Written Examination 50 %

Oral Examination 50 %

Other types of assessment 0%

Total 100%

**Formative only assessment: simple research assignment, attendance and absenteeism**



## **6. List of References**

### **6.1- Course Notes:**

Lectures notes prepared by staff members in the department.

### **6.2- Essential Books (Text Books):**

Text book of medical biochemistry with clinical Devlin, JM 1994  
Harper's biochemistry, Murray, RK 2005

### **6.3- Recommended Books:**

Lectures notes on clinical biochemistry, Whitby et al 1993  
Lippincott's illustrated reviews biochemistry, Champe, PC, Harvey, RA, 2005

### **6.4- Periodicals, Web Sites, ... etc**

1. <http://www.ncbi.nlm.gov/>
2. <http://www.vlib.org/>
3. [www.genome.ad.jp/kegg/regulation](http://www.genome.ad.jp/kegg/regulation).
4. Findarticle.com
5. Freemedicaljournals.com

## **7. Facilities Required for Teaching and Learning**

3. Appropriate teaching class
4. Computers and data show

**Course Coordinator:**

**Head of Department:**

**Date:**

## Course Specifications of Medical Microbiology & Immunology for Master Degree in Dermatology, Venereology and Androlog

1. Program on which the course is given: Master Degree in Dermatology, Venereology and Andrology
2. Major or Minor element of program: Minor
3. Department offering the program: Department of Dermatology, Venereology and Andrology
4. Department offering the course: Department of Medical Microbiology & Immunology
5. Academic year / Level : 1<sup>st</sup> part
6. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

### A. Basic Information

**Title:** Medical Microbiology & Immunology

Lectures:	Practical:	Tutorial	Total:
15h	-----	-----	15 h

**Credit Hours:** 1 h

**Lecture:** 2.5 h /month

**Total:** 15 h/ 6months.

### B. Professional Information

#### 1. Overall Aims of Course

By the end of the course the postgraduate student should be efficiently able to have basic knowledge of the microorganisms affecting human beings all over the world and particularly in Egypt , and learn to use the knowledge gained from applied microbiology to better understand the pathology, clinical symptoms, complications and the laboratory tests needed for diagnosis of each disease, in particular how to use microbiological testing in determining antibiotic prescription.

The student is also expected to acquire advanced knowledge about the structure and function of the immune system and the role of the immune system in health and disease.

## **2. Intended Learning Outcomes of Course (ILOs):**

### **a) Knowledge and Understanding:**

By the end of the course the student is expected to:

- a.1- Mention the normal structure and function of the immune system related to the human integumentary and reproductive systems
- a.2- Understand the natural history of Dermatological and Venereal problems caused by microbial pathogens.
- a.3- Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of dermatological and venereal illnesses that caused by microbial pathogens.
- a.4- Mention the causation of disease and disease pathogenesis.
- a.5- Enumerate methods of promoting health and preventing illness.
- a.6- Describe the scientific methods of establishing disease causation.
- a.7- Understand the various diagnostic and laboratory techniques necessary to establish diagnosis of various dermatological and venereal illnesses.

### **b) Intellectual Skills:**

By the end of the course, the student is expected to:

- b.1- Select from different diagnostic alternatives the ones that help reaching a final diagnosis for Dermatological and Venereal problems.
- b.2- Identify Dermatological and Venereal problems and find solutions.

### **c) Professional and Practical Skills:**

By the end of the course, the student should be able to:

- c.1- Interpret the results of diagnostic procedures.

### **d) General and Transferable Skills:**

By the end of the course, the student should have the ability to:

- d.1- Use information technology of microbiology and immunity to serve the development of professional practice.

## **3- Contents:**

Topic	No. of hours	Lecture	Practical
<u>General Bacteriology</u>			
Bacterial anatomy & Physiology	0.5	0.5	-
Bacterial genetics	0.5	0.5	-
Recombinant DNA technology	0.5	0.5	-
Antibiotics	0.5	0.5	-
Sterilization & Disinfection	0.5	0.5	-
<u>Systematic Bacteriology</u>			
Gram +ve cocci	0.5	0.5	-
Gram -ve cocci	0.5	0.5	-
Gram +ve bacilli	0.5	0.5	-
Gram -ve bacilli	0.5	0.5	-
<u>General virology</u>	1	1	-
<u>Systematic Virology</u>			
RNA viruses	1	1	-
DNA viruses	1	1	-
<u>Mycology</u>			
Fungal classifications	1	1	-
Opportunistic mycosis & Antifungal drugs	1	1	-
<u>Immunology</u>			
Congenital & Acquired Immunity	0.5	0.5	-
Immunological Cells	1	1	-
Hypersensitivity	1	1	-
Transplantation	0.5	0.5	-
Tumor Immunology	0.5	0.5	-
Immunodeficiency	1	1	-
<u>Applied Microbiology</u>	1	1	-
Total	15h	15h	-

#### 4- Teaching and Learning Methods:

4.1- Lectures

4.2- Assignment

#### 5- Student Assessment Methods:

5.1- Research assignment: to assess general transferable skills, intellectual skills.

5.2- Written exams:

a. Short essay: to assess knowledge.

5.3- Oral Exams: to assess knowledge.

5.4- Structured oral exams: to assess knowledge.

#### 6- Assessment Schedule:

Assessment 1: Final written exam week: 24-28

Assessment 2: Oral exam week: 24-28

#### Weighting of Assessments:

Final Written Examination	50 %
Oral Examination	50 %
Other types of assessment	0%
Total	100%

**Formative only assessment: simple research assignment, attendance and absenteeism**

#### 6- List of References:

##### 6.1- Course Notes:

Lectures notes prepared by staff members in the department.

##### 6.2- Essential Books (Text Books):

Medical microbiology and immunology by Prof. Abla Elmesahd

##### 6.3- Recommended Books:

Jawetz Medical Microbiology.

Roitt Essential

Immunology.

Abbas Clinical Immunology

Alberts Molecular

Biology

A coloured Atlas of Microbiology.  
Microbiology

Topley and Wilson,

#### 6.4- Periodicals, Web Sites, ... etc

Microbiology Immunology  
<http://mic.sgmjournals.org/>

**Course Coordinator:**

**Head of Department:**

**Date:**

### Course Specifications of Pathology for Master Degree in Dermatology, Venereology and Andrology

1. Program on which the course is given: Master Degree in Dermatology, Venereology and Andrology
2. Major or Minor element of program: Minor
3. Department offering the program: Department of Dermatology, Venereology and Andrology
4. Department offering the course: Department of Pathology
5. Academic year / Level : 1<sup>st</sup> part
6. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

#### A- Basic Information:

**Title:** Pathology

**Code:**

Lectures:	Practical:	Tutorial	Total:
30h	45h	-----	75 h/6months

**Credit Hours: 3h**

**Lecture: 30h**

**Tutorial: -**

**Practical: 45h**

**Total: 75h/6months**

#### B- Professional Information:

##### 1. Overall Aims of Course

By the end of the course, the post graduate students should be able to have the professional knowledge of the pathology of medical diseases.

## **2. Intended Learning Outcomes (ILOs):**

### **a) Knowledge and Understanding:**

By the end of the course, the student should be able to:

- a.1- Mention the normal structure of the human integumentary and reproductive systems on the micro levels.
- a.2- Understand the normal growth and development of the human integumentary and reproductive systems.
- a.3- Understand the abnormal structure, growth and development of human integumentary and reproductive systems and natural history of various dermatological, venereal and andrological diseases.
- a.4- Understand the natural history of Dermatological, Venereal and Andrological problems from the pathological point of view with understanding the related basis of general and systemic pathology.
- a.5- Mention the causation of disease and disease pathogenesis and correlate gross and microscopic histopathology with the clinical features.
- a.6- Describe the scientific methods of establishing disease causation.

### **b) Intellectual Skills:**

By the end of the course, the student should be able to:

- b.1- Link between knowledge of Pathology for Professional problems' solving.

### **c) Professional and Practical Skills:**

By the end of the course, the student should be able to:

- c.1- Diagnose common illnesses with the aid of the macroscopic and microscopic criteria of the altered structure (pathology) of the body and its major organs and systems that are seen in various diseases related to Dermatology, venereology and Andrology.

### **d) General and Transferable Skills:**

By the end of the course, the student should be able to:

- d.1- Use information technology of Pathology to serve the development of professional practice

### 3. Course contents:

Topic	No. of hours	Lecture	Practical
<b>1- General Pathology:</b>			
1.1. Inflammation & repair.	1.5	0.5	1
1.2. Cell response to injury and aging.	1.5	0.5	1
1.3. Pathologic metabolism of minerals.	0.5	0.5	----
1.4. Pigmentation.	0.5	0.5	----
1.5. Immunity, hypersensitivity, connective tissue diseases; lupus erythematosus & scleroderma	3	1	2
1.6. Bacterial infection.	0.5	0.5	-----
1.7. Lymphogranuloma venereum.	1.5	0.5	1
1.8. Treponemal disease, syphilis.	2	1	1
1.9. Tuberculosis.	2	1	1
1.10. Leprosy.	2	1	1
1.11. Viral diseases.	2	1	1
1.12. Mycotic diseases	2	1	1
1.13. Protozoal diseases.	2	1	1
1.14. Non Infectious granulomas & sarcoidosis	2	1	1
1.15. Vitamin deficiency.	2	1	1
1.16. Disturbances of cellular growth.	2	1	1
1.17. General pathology of tumors.	2	1	1
1.18. Effect of ionizing irradiation.	2	1	1
1.19. Inflammatory diseases due to physical agents, radiation dermatitis, foreign body reaction (allergic & non allergic).	2	1	1
<b>2- Male genital system:</b>			
2.1. Congenital anomalies.	0.5	0.5	-----
2.2. Inflammation & infection.	1	1	-----
2.3. Male infertility & testicular biopsy.	3	1	2
2.4. Diseases of the tunica vaginalis.	1	1	----
<b>3- Female genital system:</b>			
3.1. Inflammation & infections of the vulva, vagina & cervix uteri.	0.5	0.5	----



3.2. Mastitis & Paget's disease of the breast.	0.5	0.5	----
<b>4- Skin:</b>			
4.1. Histology of normal skin.	2.5	0.5	2
4.2. Introduction to dermatopathologic diagnosis.	3	1	2
4.3. Biopsy & laboratory techniques.	2	1	1
4.4. Genodermatosis.	3	1	2
4.5. Disorders of keratinization.	3	1	2
4.6. Erythematous squamous diseases.	3	1	2
4.7. Cutaneous vasculitis.	3	1	2
4.4. Tumors & tumor like lesions of the skin.	2	1	1
4.5. Tumors of the epidermis.	3	1	2
4.6. Tumors of skin appendages.	3	1	2
4.7. Naevi & melanomas.	3	1	2
4.8. Cutaneous lymphoma & leukemia.	3	1	2
4.9. Vascular tumors & tumor like lesions.	3	1	2
4.10. Metastatic tumors of the skin.	3	1	2
<b>Total:</b>	<b>75h</b>	<b>30</b>	<b>45h</b>

#### 4- Teaching and Learning Methods:

- 4.1- Lectures
- 4.2- Practical lessons (Gross and histopathology (Jars & slides)
- 4.3- Assignment

#### 5- Student Assessment Methods:

- 5.1- Research assignment: to assess general transferable skills, intellectual skills.
- 5.2- Written exams:
  - Short essay: to assess knowledge.
- 5.3- Oral Exams: to assess knowledge.
- 5.4- Structured oral exams: to assess knowledge.

## 6- Assessment Schedule:

Assessment 1: Final written exam week: 24-28

Assessment 2: Oral exam week: 24-28

## Weighting of Assessments:

Final Written Examination	50 %
Oral Examination	50 %
Other types of assessment	0%
Total	100%

**Formative only assessment: simple research assignment, attendance and absenteeism**

## 6- List of References:

### 6.1- Course Notes:

Lecture notes prepared by the staff members in the department.

### 6.2- Essential Books (Text Books):

Principles of General and Special Pathology; Gamal Nada.

### 6.3- Recommended Books:

- Lever's Histopathology of skin.
- Muir's text book of pathology.
- Robbins pathologic basis of diseases.
- Rosai & Ackerman text book of pathology.
- Sternberg text book of pathology.

### 6.4- Periodicals: American journal of pathology:

Web Sites: <http://www.ncbi.nlm.nih.gov/pubmed/>  
<http://www.uscap.com>

## 7- Facilities Required for Teaching and Learning:

- a. Library & textbooks.
- b. Computer & data show.
- c. Internet connection.

**Course Coordinator:**

**Head of Department:**

**Date:**

## Course Specifications of Internal Medicine for Master Degree in Dermatology, Venereology and Andrology

1. Program on which the course is given: Master Degree in Dermatology, Venereology and Andrology
2. Major or Minor element of program: Minor
3. Department offering the program: Department of Dermatology, Venereology and Andrology
4. Department offering the course: Department of Internal Medicine
5. Academic year / Level : 1<sup>st</sup> part
6. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

### A. Basic Information

**Title: Internal Medicine**

**Code:**

Lectures:	Practical:	Tutorial	Total:
23h	22h	-----	45 h/ 6month

**Credit Hours: 2 hours**

**Lectures: 23 hours**

**Practical: 22 hours**

**Total: 45 h/ 6month**

### B. Professional Information

#### 1. Overall Aims of Course

By the end of the course of Internal Medicine, the candidate should be able to:

- 1- Deal with common medical conditions on the basis of adequate history taking, physical examination, interpretation of relevant supportive investigations and management.
- 2- Deal with acute medical emergencies safely and effectively.
- 3- Identify the indications and logistics of referring patients to higher levels of experience or specialization.
- 4- Perceive and integrate progress in medical technology.

## **2. Intended Learning Outcomes of Course (ILOs)**

### **a) Knowledge and Understanding:**

By the end of the course, the student is expected to be able to:

a.1- Understand the natural history of Dermatological, Venereal and Andrological problems that related to systemic medical diseases.

a.2- Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of dermatological, venereal and andrological illnesses that related to systemic medical diseases.

a.3- Mention the causation of disease and disease pathogenesis of systemic medical diseases the related to the practice of Dermatology, Venereology and Andrology.

a.4- Understand the various diagnostic and laboratory techniques necessary to establish diagnosis of various dermatological, venereal and andrological illnesses that caused by systemic medical illness.

a.5- List the various therapeutic methods /alternatives used for various dermatological, venereal and andrological illnesses that caused by systemic medical illness.

### **b) Intellectual Skills:**

By the end of the course, the student is expected to be able to:

b.1- Integrate data acquired through history taking to reach a provisional diagnosis for various Dermatological, Venereal and Andrological problems that related to systemic medical diseases.

b.2- Link between knowledge of Internal Medicine for Professional problems' solving.

### **c) Professional and Practical Skills:**

By the end of the course, the student is expected to be able to:

c.1- Interpret the results of diagnostic procedures of common systemic medical illness.

c.2- Diagnose common systemic medical illnesses that are associated with Dermatological, Venereal and Andrological problems.

c.3- Recognize patients with life threatening dermatological conditions and initiate the proper management according to patient's needs.

#### d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

d.1- Use information technology of Internal Medicine to serve the development of professional practice.

### 3- Contents:

Topic	No. of hours	Lecture	Practical
<b>1-General:</b>			
Skin pigmentation and rashes	2	1	1
Porphyries, Dyslipidemia	3	2	1
<b>2-Endocrinology:</b>			
<u>Disorders of the thyroid gland:</u> Hypothyroidism, Hyperthyroidism	2	1	1
<u>Disorders of the adrenal cortex:</u> -Cushing syndrome -Aldosteronism -Adrenogenital syndrome -Hypoadrenaism -Pheochromocytoma	4	2	2
Diabetes mellitus	4	2	2
<b>3- Hematology:</b>			
Anemias: -Iron deficiency anemia -Megaloplastic anemia -Hemolytic anemias -Aplastic anemia	4	2	2
Acute leukemias, Lymphomas	2	1	1
Thrombocytopenia -Purpura	2	1	1
<b>4-Nephrology:</b>			

Investigations of renal disease	2	1	1
Nephrotic syndrome, Chronic renal failure	2	1	1
<b>5-Gastroenterology and hepatology:</b>			
Crohn's disease, Ulcerative colitis	2	1	1
Evaluation of liver function, Jaundice	2	1	1
Acute & Chronic hepatitis	2	1	1
Cirrhosis, Hepatocellular failure	2	1	1
<b>6-Rheumatology:</b>			
-Systemic lupus erythromatosis -Scleroderma	4	2	2
Rheumatoid arthritis	2	1	1
Crystal deposition arthropathy	2	1	1
Mixed connective tissue disease	2	1	1
<b>Total</b>	<b>45</b>	<b>23</b>	<b>22</b>

#### **4– Teaching and Learning Methods**

- 4.1- Lectures
- 4.2- Clinical lessons
- 4.3- Assignment

#### **5- Student Assessment Methods:**

- 5.1- Research assignment: to assess general transferable skills, intellectual skills.
- 5.2- Written exams:
  - Short essay: to assess knowledge.
  - Problem solving: to assess general transferable skills, intellectual skills.
- 5.3- Clinical exams: to assess practical skills, intellectual skills.
- 5.4- OSCE: to assess practical skills, intellectual skills.
- 5.5- Oral Exams: to assess knowledge.
- 5.6- Structured oral exams: to assess knowledge.

#### **6- Assessment Schedule:**

- Assessment 1: Final written exam week: 24-28
- Assessment 2: Oral exam week: 24-28

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Assessment 3: Clinical exam      week: 24-28

### Weighting of Assessments

Written Examination	50 %
Clinical Examination	30 %
Oral Examination	20%
Other types of assessment	0 %
<b>Total</b>	<b>100%</b>

**Formative only assessment: simple research assignment, attendance and absenteeism**

### 6- List of References:

#### 6.1- Course Notes:

Lectures notes prepared by staff members in the department.

#### 6.2- Essential Books (Text Books):

- Kumar and Clarke Textbook of Medicine; Parveen Kumar and Richard Clark; Blackwell Science; 14<sup>th</sup> edition, 2007
- Hutchison's Clinical Methods; Robert Hutchison; Harry Rainy; 21<sup>st</sup> edition;2003

#### 6.3- Recommended Books:

- Cecil Textbook of Medicine; McGraw Hill; 16<sup>th</sup> edition, 2007.
- Harrison's Textbook of Medicine, McGraw Hill, 2005.

#### 6.4- Periodicals, Web Sites, ... etc

- American Gastroenterology Association
- American Diabetes Association
- American Rheumatology Association

### 7- Facilities Required for Teaching and Learning:

- Lecture rooms
- Round rooms
- Accessibility to hospital wards, clinics and emergency department
- Audio-visual teaching equipments (computers, data show projector, video, etc.)
- Models and mannequins
- Video tapes and scientific pictures archives.



- Radiology collections and archives.
- Library for the department.

**Course Coordinator:**

**Head of Department:**

**Date:**

## Course Specifications of General Surgery for Master Degree in Dermatology, Venereology and Andrology

1. Program on which the course is given: Master Degree in Dermatology, Venereology and Andrology
2. Major or Minor element of program: Minor
3. Department offering the program: Department of Dermatology, Venereology and Andrology
4. Department offering the course: Department of General Surgery
5. Academic year / Level : 1<sup>st</sup> part
6. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

### A- Basic Information:

**Title: General Surgery**

**Code:**

Lectures:	Practical:	Tutorial	Total:
22h	23h	-----	45 h/ 6mont

Credit Hours: 2 hours

Lectures: 22 hours

Practical: 23 hours

Total: 45 h/ 6month

### B- Professional Information:

#### 1. Overall Aims of Course

By the end of the course of General Surgery, the candidate should be able to:

- 1- Deal with common surgical conditions on the basis of adequate history taking, physical examination, interpretation of relevant supportive investigations and management.
- 2- Deal with acute surgical emergencies safely and effectively.
- 3- Identify the indications and logistics of referring patients to higher levels of experience or specialization.
- 4- Perceive and integrate progress in surgical technology.

#### 2. Intended Learning Outcomes of Course (ILOs)

##### a) **Knowledge and Understanding:**

By the end of the course, the student is expected to be able to:

a.1-Understand the natural history of Dermatological, Venereal and Andrological problems that are related to the General Surgery practice.

a.2- Understand the various diagnostic and laboratory techniques necessary to establish diagnosis of various dermatological, venereal and andrological illnesses that need surgical intervention.

**b) Intellectual Skills:**

By the end of the course, the student is expected to be able to:

b.1 Integrate data acquired through history taking to reach a provisional diagnosis for various Dermatological, Venereal and Andrological problems that are related to General Surgery.

b.2- Link between knowledge of General Surgery for Professional problems' solving.

**c) Professional and Practical Skills:**

By the end of the course, the student is expected to be able to:

c.1- Perform physical examination of patients for dermatological and reproductive systems for Dermatological, Venereal and Andrological problems that are related to General Surgery.

**d) General and Transferable Skills**

By the end of the course, the student is expected to be able to:

d.1- Use information technology of General Surgery to serve the development of professional practice

**3- Contents:**

Topic	No. of hours	Lecture	Practical
<b>A- General:</b>			
Introduction	1	1	-
Burn	3	1	2
Antibiotics	3	1	2
<b>B- Special:</b>			
Tumors of skin	7	3	4
Varicose veins	2	1	1
D.D. of Leg ulcers	4	2	2
D.D. of Inguino-scrotal swelling	6	3	3
Acute scrotum	6	3	3
Varicocele, Hydrocele	8	4	4
Lymphadenopathy	4	2	2

Keloid	2	1	1
Total	45	22	23

#### 4- Teaching and Learning Methods:

- 4.1- Lectures
- 4.2- Clinical lessons
- 4.3- Assignment

#### 5- Student Assessment Methods:

5.1- Research assignment: to assess general transferable skills, intellectual skills.

5.2- Written exams:

- Short essay: to assess knowledge.
- Problem solving: to assess general transferable skills, intellectual skills.

5.3- Clinical exams: to assess practical skills, intellectual skills.

5.4- OSCE: to assess practical skills, intellectual skills.

5.5- Oral Exams: to assess knowledge.

5.6- Structured oral exams: to assess knowledge.

#### 6- Assessment Schedule:

Assessment 1: Final written exam week: 24-28

Assessment 2: Oral exam week: 24-28

Assessment 3: Clinical exam week: 24-28

#### Weighting of Assessments:

Written Examination	50 %
Clinical Examination	30 %
Oral Examination	20%
Other types of assessment	0 %
Total	100%

**Formative only assessment: simple research assignment, attendance and absenteeism**

#### 6- List of References:

**6.1- Course Notes:** Lectures notes prepared by staff members in the department.

**6.2- Essential Books (Text Books):** Principles of General Surgery,  
prof. Nawara

**6.3- Recommended Books:** Bailey & Love textbook of Surgery

**6.4- Periodicals, Web Sites, ... etc:** International Journal of  
General Surgery

American Journal of General Surgery

**7- Facilities Required for Teaching and Learning:**

- Lecture rooms
- Round rooms
- Accessibility to hospital wards, clinics and emergency department
- Audio-visual teaching equipments (computers, data show projector, video, etc.)
- Models and mannequins
- Video tapes and scientific pictures archives.
- Radiology collections and archives.
- Library for the department.

**Course Coordinator:**

**Head of Department:**

**Date:**

## Course Specifications of Psychiatry for Master Degree in Dermatology, Venereology and Andrology

1. Program on which the course is given: Master Degree in Dermatology, Venereology and Andrology
2. Major or Minor element of program: Minor
3. Department offering the program: Department of Dermatology, Venereology and Andrology
4. Department offering the course: Department of Neurology and Psychiatry
5. Academic year / Level : 1<sup>st</sup> part
6. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

### A. Basic Information:

#### 1-Title: Psychiatry

Lectures:	Practical:	Tutorial	Total:
30 h	-----	-----	30 h/ 6 months

### 3-Credit hours: 2h

Lectures: 30 hours      tutorial / practical: 0 hours  
Total: 30 hrs/6 months

### B. Professional Information

#### 1. Overall Aims of Course:

Upon successful completion of this course, the graduates should be able to enumerate, expect and diagnose psychiatric disorders that relate to (cause or associate or exacerbate) skin or venereal diseases and be aware & can apply this knowledge in the management of his patient disorders.

## 2. Intended Learning Outcomes of Course (ILOs)

### a) **Knowledge and Understanding:**

By the end of the course, the student is expected to be able to:

- a.1- Understand the natural history of the various psychiatric disorders associated with or related to Dermatological, Venereal and Andrological problems.
- a.2- Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of the various psychiatric disorders associated with or related to dermatological, venereal and Andrological illnesses.
- a.3- List the various therapeutic methods /alternatives used for the various psychiatric disorders associated with or related to dermatological, venereal and Andrological illnesses.

### b) **Intellectual Skills:**

By the end of the course, the student is expected to be able to:

- b.1 Integrate data acquired through history taking to reach a provisional diagnosis for various psychiatric disorders associated with or related to Dermatological, Venereal and Andrological problems.

### c) **Professional and Practical Skills:**

By the end of the course, the student is expected to be able to:

- c.1- Perform physical examination of patients with dermatological and Andrological problems for various psychiatric disorders .

### d) **General and Transferable Skills:**

By the end of the course, the student is expected to be able to:

- d.1- Use information technology of Psychiatry to serve the development of professional practice.

## 3. Contents

Topic	No. hours	lecture	practical
<u>General Psychology</u>			----
• Physician–Patient Relationship	4	4	
• Professional Ethics and Boundaries	3	3	
<u>Psychiatric interview</u>	3	3	----
<u>Somatoform disorders</u>	3	3	----

<u>Sexual and gender identity disorders</u>	3	3	----
• Sexual dysfunctions	3	3	
• Paraphilias	3	3	
• Gender identity disorders			
<u>Impulse control disorders</u>			----
• trichotellomania	4	4	
<u>Psychiatric Medication related skin disorders</u>	4	4	-----
<u>Total:</u>	30	30	-----

#### 4. Teaching and Learning Methods:

4.1- Lectures

4.2- Assignment

#### 5. Student Assessment Methods:

5.1- Research assignment: to assess general transferable skills, intellectual skills.

5.2- Written exams:

a. Short essay: to assess knowledge.

5.3- Oral Exams: to assess knowledge.

5.4- Structured oral exams: to assess knowledge.

#### Assessment Schedule:

Assessment 1: Final written exam week: 24-28

Assessment 2: Oral exam week: 24-28

#### Weighting of Assessments:

Final Written Examination 50 %

Oral Examination 50 %

Other types of assessment 0%

Total 100%

**Formative only assessment: simple research assignment, attendance and absenteeism**

#### 6. List of References:

##### 1) Course notes

- Lecture notes prepared by staff members of the department

##### 2) Essential books:



- Brain 's Disease of The Nervous System

### **3) Recommended books:**

- Adams & Victor's, Principle of Clinical Neurology.
- Neurology in clinical practice.
- Clinical Neurology.
- Manual of neurologic therapeutics.
- Merret's Neurology.

### **4) Periodicals, Web Sites:**

<http://www.ncbi.nlm.gov> .com

[www.neurology.org](http://www.neurology.org)

<http://www.freemedicaljournals.com>

### **7. Facilities Required for Teaching and Learning:**

- Lecture rooms
- Round rooms
- Accessibility to hospital wards, clinics
- Audio-visual teaching equipments (computers, data show projector, video, etc.)
- Video tapes and scientific pictures archives.

**Course Coordinator:**

**Head of Department:**

**Date:**

## Course Specification of Dermatology for Master Degree in Dermatology, Venereology and Andrology

1. University: South Valley University
2. Faculty: Qena Faculty of Medicine
3. Program on which the course is given: Master degree of Dermatology, Venereology and Andrology (2<sup>nd</sup> part).
4. Major or Minor element of program: Major
5. Department offering the program: Dermatology, Venereology, and Andrology Department .
6. Department offering the course: Dermatology, Venereology, and Andrology Department .
7. Academic year / Level : 2<sup>nd</sup> part.
8. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

### A. Basic Information

**Title: Dermatology Course for Master degree (Second part)**

**Code:**

Lectures:	Practical	Tutorial	Total:
135 hrs	270 hrs	3 semesters	405 hrs

**Credit Hours: 15 hrs**

**Lecture:**

135 hrs

**Tutorial:** 3 semsters/18 months

**Practical:** 270hrs **Total:** 405 hrs

### B. Professional Information

#### 1. Overall Aims of Course

By the end of the course and training, the graduates should be able to:

1. Properly describe a dermatology case using the terminology accepted by dermatologists in order to be able to communicate with colleagues and consultants in the field.
2. Diagnose and effectively treat skin diseases prevalent in the community or those of public health importance.
3. Be able to carry out specialist assessment and management of a patient presenting with a dermatosis in both an inpatient and outpatient hospital setting
4. Be able to evaluate patients for contact urticaria and type I hypersensitivity and perform prick testing safely.

5. Be able to diagnose and manage patients with a photosensitive disease.

## **2. Intended Learning Outcomes of Course (ILOs)**

### **a) Knowledge and Understanding:**

By the end of the course, the graduate is expected to gain knowledge and understanding of:

- a.1- Mention the normal structure and function of the human integumentary system on the macro and micro levels.
- a.2- Understand the normal growth and development of the human integumentary system.
- a.3- Understand the abnormal structure, function, growth and development of human integumentary system and natural history of various dermatological diseases.
- a.4- Understand the natural history of Dermatological problems.
- a.5- Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of dermatological illnesses.
- a.6- Mention the causation of disease and disease pathogenesis.
- a.7- Enumerate methods of promoting health and preventing illness.
- a.8- Describe the scientific methods of establishing disease causation of dermatological illnesses.
- a.9- Understand the various diagnostic and laboratory techniques necessary to establish diagnosis of various dermatological illnesses.
- a.10- List the various therapeutic methods /alternatives used for various dermatological illnesses .
- a.11- Understand scientific development in the field of Dermatology.
- a.12- Understand the mutual influence between professional practice and its impacts on the environment.
- a.13- Mention the ethical and legal aspects of professional practice in the field of Dermatology.
- a.14- Know the principles and fundamentals of quality of professional practice in the field of Dermatology.
- a.15- Know the basics and ethics of scientific research.

### **b) Intellectual Skills:**

By the end of the course, the student is expected to be able to:

- b.1 Integrate data acquired through history taking to reach a provisional diagnosis for various Dermatological problems .

- b.2 Select from different diagnostic alternatives the ones that help reaching a final diagnosis for Dermatological problems .
- b.3- Link between knowledge for Professional problems' solving.
- b.4- Conduct research study and/or write a scientific study on a research problem.
- b.5- Assess risk in professional practices in the field of Dermatology .
- b.6- Plan to improve performance in the field of Dermatology .
- b.7- Identify Dermatological problems and find solutions.
- b.8- Analyze researches and issues related to Dermatology.

**c) Professional and Practical Skills:**

By the end of the course in department of Dermatology, the graduate is expected to be able to:

- c.1- Master of the basic and modern professional skills in the area of Dermatology.
- c.2- Perform physical examination of patients for dermatological system.
- c.3- Interpret the results of diagnostic procedures.
- c.4- Diagnose common illnesses.
- c.5- Recognize patients with life threatening dermatological conditions and initiate the proper management according to patient's needs.
- c.6- Write a treatment prescription.
- c.7- Write and evaluate clinical reports.
- c.8 - Perform basic diagnostic and therapeutic techniques and measures in this practice (skin biopsy, intradermal injections using dermojet, electrocautery, etc)

**d) General and Transferable Skills:**

By the end of the course, students are expected to be able to:

- d.1- communicate effectively by all types of effective communication.
- d.2- Use information technology to serve the development of professional practice
- d.3- Assess himself and identify personal learning needs.
- d.4- Use different sources to obtain information and knowledge.
- d.5- Develop rules and indications for assessing the performance of others.
- d.6- Work in a team, and team's leadership in various professional contexts.

- d.7- Manage time efficiently.  
d.8- Learn himself continuously.

### 3. Contents:

Topic	No. of hours	Lecture	Practical
Anatomy and functions of skin	5	2	3
Ethical & legal aspects and fundamentals of quality of professional practice in Dermatology	2	2	--
Basics and ethics of scientific research in dermatology	2	2	--
Diagnosis of skin disease	6	2	4
Pathological diagnosis of skin diseases	7	2	5
Molecular biology and basic genetics	7	2	5
Cutaneous pyogenic infections	9	4	5
Cutaneous viral infections	9	6	3
Mycology	10	5	5
Parasitic skin diseases	15	6	9
Mycobacterial Infections	15	6	9
Eczema (Dermatitis)	13	7	6
Papulo-Squamous diseases	12	7	5
Connective tissue disorders	18	6	12
Disorders of sebaceous glands	10	4	6
Disorders of sweat glands	11	2	9
Pigmentary disorders	15	6	9
Diseases of Hair and nails	14	6	8
Genodermatosis	10	3	7
Blistering dermatosis	24	8	16
Non-infectious granulomas	10	4	6
Photodermatosis	10	4	6
Cutaneous vascular diseases	10	3	7
Tumors of the skin	28	10	18



Cutaneous lymphomas	11	4	7
Mastocytosis and histocytosis	12	5	7
Cutaneous drug reactions	12	3	9
Skin and systemic diseases	10	2	8
Neonatal dermatology	8	2	6
Pruritis and prurigo	8	3	5
Disorders of keratinization	13	3	10
Dermatological surgery	9	2	7
Topical and systemic therapy	9	2	7
Total	405	135	270

#### **4. Teaching and Learning Methods:**

- 4.1-lectures
- 4.2- Clinical / practical lessons
- 4.3- Assignment
- 4.4- Attending and participating in scientific conferences, workshops and thesis discussion to acquire the general and transferable skills needed

#### **5. Student Assessment Methods:**

- 5.1- Research assignment: to assess general transferable skills, intellectual skills.
- 5.2- Written exams:
  - Short essay: to assess knowledge.
  - Problem solving: to assess general transferable skills, intellectual skills.
- 5.3- Clinical exams: to assess practical skills, intellectual skills.
- 5.4- OSCE: to assess practical skills, intellectual skills.
- 5.5- Oral Exams: to assess knowledge.
- 5.6- Structured oral exams: to assess knowledge.

#### **Assessment Schedule:**

- Assessment 1: Review week:12-16
- Assessment 2: Review week:72-76
- Assessment 3: log book week: 80 (Formative exam)
- Assessment 4: Final written Exam week: 96-98
- Assessment 5: Oral Exam week: 96-98
- Assessment 6: Clinical Exam week: 96-98

#### **Weighting of Assessments**

Written Examination	50 %
Clinical and oral Examination	50 %
Other types of assessment	0 %
<b>Total</b>	<b>100%</b>

**Formative only assessment: simple research assignment, Log book, attendance and absenteeism**

#### **6. List of References:**

##### 6.1- Course Notes:

Lectures notes prepared by staff members in the department.

##### 6.2- Essential Books (Text Books):

Andrews text book of dermatology

##### 6.3- Recommended Books:

Rook's text book of dermatology

Lever's text book of histopathology

##### 6.4- Periodicals and Web Sites:

Journal of American Academy of Dermatology

Clinics in dermatology

International journal of dermatology

British journal of dermatology

[www.Sciencedirect.com](http://www.Sciencedirect.com)

[www.pubmed.com](http://www.pubmed.com)

[www.Freebooks4doctors.com](http://www.Freebooks4doctors.com)

[www.medscape.com](http://www.medscape.com)

#### **7. Facilities Required for Teaching and Learning:**

- Adequate infrastructure including: teaching rooms, comfortable desks.
- Teaching tools including screen, slide Projector, computer and data show.
- Laboratory microscopes.

**Course Coordinator:**

**Head of Department:**

**Date:**

## Course Specification of Venereology and Andrology for Master Degree in Dermatology, Venereology and Andrology

1. Program on which the course is given: Master degree of Dermatology, Venereology & Andrology (2<sup>nd</sup> Part)
2. Major or Minor element of program: Major
3. Department offering the program: Dermatology, Venereology, and Andrology Department .
4. Department offering the course: Dermatology, Venereology and Andrology Department .
5. Academic year / Level: 2<sup>nd</sup> part.
6. Date of specification approval: Faculty Council NO. 182, decree No 7163, Dated 14/9/2009.

### A. Basic Information

Title: Venereology and Andrology Course, for Master degree (Second part)

Lectures:	Practical:	Tutorial	Total:
90 hrs	180 hrs	3 semesters	270 hrs

**Credit Hours:** 10 hrs

**Lecture:** 90 hrs

**Tutorial:** 18 months

**Practical:** 180 hrs **Total:** 270 hrs

### B. Professional Information

#### 1. Overall Aims of Course

By the end of the course and training, the student should be able to:

1. Diagnose and treat STDs prevalent in the community.
2. Be aware of the changing pattern of STDs during the last three decades, their epidemiology and the factors contributing to increased prevalence.
3. Knows the causes, diagnosis and treatment of male infertility
4. Define causes, diagnostic procedures and treatment options of male sexual dysfunction.
5. Diagnose and treat female sexual dysfunction.



## **2. Intended Learning Outcomes of Course (ILOs)**

### **a) Knowledge and Understanding:**

By the end of the course, the graduate is expected to be able to :

- a.1- Mention the normal structure and function of the human reproductive system on the macro and micro levels .
- a.2- Understand the normal growth and development of the human reproductive system .
- a.3-Understand the abnormal structure, function, growth and development of human reproductive system and natural history of various venereal and andrological diseases.
- a.4-Understand the natural history of Venereal and Andrological problems.
- a.5-Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of venereal and andrological illnesses.
- a.6- Mention the causation of disease and disease pathogenesis.
- a.7- Enumerate methods of promoting health and preventing illness.
- a.8- Describe the scientific methods of establishing disease causation of venereal and andrological illnesses.
- a.9- Understand the various diagnostic and laboratory techniques necessary to establish diagnosis of various venereal and andrological illnesses.
- a.10-List the various therapeutic methods /alternatives used for various venereal and andrological illnesses .
- a.11- Understand scientific development in the field of Venereology and Andrology.
- a.12- Understand the mutual influence between professional practice and its impacts on the environment.
- a.13- Mention the ethical and legal aspects of professional practice in the field of Venereology and Andrology.
- a.14- Know the principles and fundamentals of quality of professional practice in the field of Venereology and Andrology.
- a.15- Know the basics and ethics of scientific research.

### **b) Intellectual Skills:**

By the end of the course, the graduate is expected to be able to:

- b.1 Integrate data acquired through history taking to reach a provisional diagnosis for various Venereal and Andrological problems .
- b.2 Select from different diagnostic alternatives the ones that help reaching a final diagnosis for Venereal and Andrological problems .
- b.3- Link between knowledge for Professional problems' solving.
- b.4- Conduct research study and/or write a scientific study on a research problem.
- b.5-Assess risk in professional practices in the field of Venereology and Andrology .
- b.6- Plan to improve performance in the field of Venereology and Andrology .
- b.7- Identify Venereal and Andrological problems and find solutions.
- b.8- Analyze researches and issues related to Venereology and Andrology.

**c) Professional and Practical Skills:**

By the end of the course, the graduate is expected to be able to:

- c.1- Master of the basic and modern professional skills in the area of Venereology and Andrology.
- c.2- Perform physical examination of patients for reproductive systems.
- c.3- Interpret the results of diagnostic procedures.
- c.4- Diagnose common illnesses.
- c.5- Write a treatment prescription.
- c.6- Write and evaluate semen reports.
- c.7 - Perform basic diagnostic and therapeutic techniques and measures in this practice (semen analysis, intracorporeal injections etc)

**d) General and Transferable Skills:**

By the end of the course, students are expected to be able to:

- d.1- communicate effectively by all types of effective communication.
- d.2- Use information technology to serve the development of professional practice
- d.3- Assess himself and identify personal learning needs.

- d.4- Use different sources to obtain information and knowledge.
- d.5- Develop rules and indications for assessing the performance of others.
- d.6- Work in a team, and team's leadership in various professional contexts.
- d.7- Manage time efficiently.
- d.8- Learn himself continuously.

### 3. Contents:

Topic	No. of hours	Lecture	Practical
Introduction	2	2	-
Ethical & legal aspects of professional practice	2	2	-
Principles of quality of professional practice	2	2	-
Anatomy of genital organs	7	2	5
Physiology of erection and ejaculation	13	8	5
Male sexual dysfunction	48	15	33
Female sexual dysfunction	25	8	17
Semen evaluation	26	7	19
Male infertility	55	18	37
Male urethral discharge	25	10	15
Vaginal infection	15	5	10
Syphilis	15	5	10
Genital ulcers	14	4	10
HIV	9	4	5
Genital dermatosis	12	4	8
Total	270	90	180

#### **4. Teaching and Learning Methods**

- 4.1-lectures
- 4.2- Clinical / practical lessons
- 4.3- Assignment
- 4.4- Attending and participating in scientific conferences, workshops and thesis discussion to acquire the general and transferable skills needed

#### **5. Student Assessment Methods:**

- 5.1- Research assignment: to assess general transferable skills, intellectual skills.
- 5.2- Written exams:  
Short essay: to assess knowledge.  
Problem solving: to assess general transferable skills, intellectual skills.
- 5.3- Clinical exams: to assess practical skills, intellectual skills.
- 5.4- OSCE: to assess practical skills, intellectual skills.
- 5.5- Oral Exams: to assess knowledge.
- 5.6- Structured oral exams: to assess knowledge.

#### **6- Assessment Schedule:**

- Assessment 1: Review week:24-30
- Assessment 2: Review week:72-76
- Assessment 3: Log book week: 80 (Formative exam)
- Assessment 4: Final written exam week: 96-100
- Assessment 5: Oral exam week: 96-100
- Assessment 6: Clinical exam week: 96-100

#### **Weighting of Assessments**

Written Examination	50 %
Clinical Examination	30 %
Oral Examination	20%
Other types of assessment	0 %
Total	100%

Formative only assessment: simple research assignment, Log book, attendance and absenteeism

#### **6. List of References**

- 6.1- Course Notes  
Lectures notes prepared by staff members in the department.

#### 6.2- Essential Books (Text Books)

Text book of Andrology by Dr. Ashraf Fayeze

#### 6.3- Recommended Books

Text book of Erectile dysfunction

#### 6.4- Periodicals and Web Sites:

Journal of urology

Fertility and Sterility

British journal of urology

Asian Journal of Andrology

[www.Sciencedirect.com](http://www.Sciencedirect.com)

[www.pubmed.com](http://www.pubmed.com)

[www.Freebooks4doctors.com](http://www.Freebooks4doctors.com)

[www.medescape.com](http://www.medescape.com)

### **7. Facilities Required for Teaching and Learning**

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, slide Projector, computer and data show.
- Laboratory microscopes.

**Course Coordinator:**

**Head of Department:**

**Date:**