

Al-Azhar University

Faculty of Medicine

**Program & Course specification of Dermatology &
Venereology (Master degree - 1st part)
Dermatology & Venereology Department**

Course coordinators:

Prof. Nayera Moftah

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Heads of departments:

Prof. Mohamed Kotb Ibrahim

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Prof. Rabie Bedir Attalla

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology

Course Specification of General surgery in Dermatology and Venereology, Master Degree (first part)

1. Course Data		
Course Code:	1. Course Title: Course specification of General Surgery	Academic Year / level: Master Degree 1 st part
Specialization: Dermatology and Venereology	No. of teaching Units: 1	Lecture: Practical:

2. Course Aim	At the end of this course, the student will be able to acquire the knowledge, and skills which enable him/her to deal appropriately with clinical surgical problems related to skin diseases.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	.By the end of the course the student will be able to: 1. Describe the anatomy of surgically-important structures related to dermatology, venereology and andrology. 2. Discuss the clinical manifestations, complications, diagnostic modalities, outcome and treatment plans for common surgical problems related to dermatology and andrology. 3. Be aware of different dermatologic and andrologic surgical procedures; their indications, contraindications, and complications. 4. Be aware of principals of general surgery such as shoch, haemorrhageetc
b. Intellectual Skills:	1. Analyze symptoms & signs and construct a differential diagnosis in terms of their anatomic diagnostic significances. 2. Design an appropriate diagnostic plan for evaluation

	<p>of common presenting surgical complaints</p> <p>3. Interpret the results of commonly used diagnostic procedures.</p>
c. Professional Skills:	<ol style="list-style-type: none"> 1. Take a thorough history of appropriate depth and detail, relative to the clinical context. 2. Perform a complete physical examination (general and local). 3. Identify the surgical emergencies of our concern and their proper management. 4. Perform different types of skin biopsy whenever indicated under complete aseptic conditions.
d. General and transferable Skills:	<ol style="list-style-type: none"> 1. Explain to the patients and their relatives the nature of illness, the diagnostic and therapeutic options and recommend life style modification in compassionate and ethical way. 2. Advocate respect of patients' rights, particularly in regard to confidentiality and informed consent.
4. Course Content	<p>A) General:</p> <ul style="list-style-type: none"> • Wound healing. • Infection and antimicrobials • Haemorrhage and shock • Blood transfusion • Fluids, electrolytes, acid-base balance • Chest injury and airway maintenance • Basis of immunology • Acute abdomen • Cardiac arrest • Diabetes in surgery • Postoperative complication • Burn • Tumours overview • Principles of surgical oncology <p>B) Special:</p> <ul style="list-style-type: none"> • Skin • Endocrine • Breast • Arterial diseases (clinical overview of chronic ischaemia, vasospastic diseases, arteritis) • Venous diseases (varicose veins, chronic venous insufficiency, venous ulcer) • Leg ulcers. • Lymphatic diseases. • Inguinal, inguino-scrotal, and scrotal swellings. • Empty scrotum.

5. Teaching and Learning Methods and facilities	<ul style="list-style-type: none"> • Lectures. • Seminars. • Clinical rounds. • Tutorials. • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library. • Beds and clinical facilities of Al-Azharuniversity hospitals.
6. Assessment tools: a. Attendance criteria	: <ul style="list-style-type: none"> • Students must attend 75% of the clinical terms and lectures for entry to the final examination.
b. Assessment tools:	<ul style="list-style-type: none"> • Summative assessment which is held at the end of the course and includes: • Written exams. • Clinical exams (long case and 2 short cases, plain x-rays, jars, and surgical instruments). • Oral exams.
c. Schedule:	April / September
d. Weighing of Assessment: <ul style="list-style-type: none"> • Written exam • Clinical and oral exam 	50 % 50 %
7. List of Textbooks and References:	
	<ul style="list-style-type: none"> • Bailey and Love’s Short Practice of Surgery. 26 th edition, CRC Press, 2013. • Current Surgical Diagnosis and Treatment. 13th edition , 2013
Periodicals, Web Sites, ..., etc.	<ul style="list-style-type: none"> • www.pubmed.com • www.science.com

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology

Course Specification of internal medicine in Dermatology and Venereology, Master Degree (first part)

1. Course Data		
Course Code:	2. Course Title: course Specification of Internal Medicine	Academic Year / level: master degree 1st part
Specialization: Dermatology and venereology	No. of teaching Units: 1	Lecture: Practical:

2. Course Aim	At the end of this course, the students will know the modern concepts of some internal medicine disorders with relation to skin diseases.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	By the end of the course the candidate will be able to: 1. Recognize and understand aetiology, pathology, symptoms, signs, history and prognosis of most of medical disorders related to skin diseases such as rheumatologic disorders..
b. Intellectual Skills:	By the end of the course the candidate will be able to: 1. Plan and carry out management strategy for rheumatologic and collagen disorders according to severity. 2. Integrate results of clinical examination with the investigational procedures to solve different metabolic and endocrinal disorders.
c. Professional Skills:	By the end of the course the candidate will be able to: 1. Take a clinical internal medicine history. 2. Perform thorough medical examination. 3. Able to analyze the connection between skin and internal or systemic disorders.

<p>d. General and transferable Skills:</p>	<ol style="list-style-type: none"> 1. Explain to the patients and their relatives the nature of illness, the diagnostic and therapeutic options and recommend life style modification in compassionate and ethical way. 2. Advocate respect of patients' rights, particularly in regard to confidentiality and informed consent.
<p>4. Course Content</p>	<ul style="list-style-type: none"> • Metabolic and Endocrinal syndrome <ul style="list-style-type: none"> ✓ Diabetes mellitus ✓ Thyroid gland disorders ✓ Suprarenal gland disorders ✓ Male hypogonadism ✓ Hirsutism ✓ Kidney and urinary system ✓ Chronic renal failure ✓ Hematology and lymphatic system ✓ Purpura and platelet disorders ✓ Hemophilia ✓ lymphoma • Rheumatology and Collagen disorders <ul style="list-style-type: none"> ✓ Rheumatoid arthritis ✓ Rheumatic fever ✓ Systemic lupus ✓ Scleroderma ✓ Reiter syndrome ✓ Sjogren syndrome ✓ CRST syndrome ✓ -Antiphospholipid syndrome • Dermatomyositis • Digestive system • Diseases of the liver • Obstructive jaundice • Nervous system: • Neurofibromatosis • Sensory Neuropathy
<p>5. Teaching and Learning Methods and facilities</p>	<ul style="list-style-type: none"> • Lectures. • Seminars. • Clinical rounds. • Tutorials. • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library. • Beds and clinical facilities of Al-Azhar university hospitals.

6. Assessment tools:	:
1. Attendance criteria	<ul style="list-style-type: none"> Students must attend 75% of the clinical terms and lectures for entry to the final examination.
2. Assessment tools:	<ul style="list-style-type: none"> Summative assessment which is held at the end of the course and includes: <ul style="list-style-type: none"> Written exams. Clinical exams (long case and 2 short cases). Oral exams.
3. Schedule:	April / September
4. Weighing of Assessment:	
Written exam	50 %
Clinical and oral exam	50 %
7. List of Textbooks and References:	
	Textbooks: Kumar And Clark, 2009
Periodicals, Web Sites, ..., etc.	www.pubmed.com www.sciencedirect.com

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology

Course Specification of Psychiatry in Dermatology and Venereology, Master Degree (first part)

1. Course Data		
Course Code:	3. Course Title: course Specification of Psychiatry	Academic Year / level: Master degree 1 st part
Specialization: Dermatology and venereology	No. of teaching Units: 1	Lecture: Practical:

2. Course Aim	The students will know the primary concepts of psychiatry and different psychodermatological, psychovenereal, psychosexual disorders and paraphilias.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	by the end of the course the student will be able to: <ol style="list-style-type: none">1. Recognize the psychoanalytical theory and psychiatric disorders.2. Understand aetiology, symptoms and signs and management of psychodermatological, psychovenereal and psychosexual disorders.3. Recognize the effect of environmental factors on different psychiatric, psychodermatological, psychovenereal, psychosexual disorders and paraphilias.
b. Intellectual Skills:	<ol style="list-style-type: none">1. Analyze the connection between skin and psychiatric disorders2. Determine the connection between sexual disorders due to psychiatric problems.3. Integrate results of clinical examination with the investigational procedures to solve different psychovenereal and psychosexual disorders.4. Plan for management of different

	psychodermatological disorders.
c. Professional Skills:	<ol style="list-style-type: none"> 1. Take a psychological history 2. Make an assessment of the patient.
d. General and transferable Skills:	<ol style="list-style-type: none"> 1. Demonstrate effective communication with patients, relatives and psychiatrists. 2. Realize the impact of psychiatric diseases, psychodermatological, psychovenereal, psychosexual and paraphilias on the family and society. 3. Cope with ethical and legal issues which occur during the management of psychiatric patients. 4. Providing education and advice to a patient with psychiatric diseases.
4. Course Content	<ol style="list-style-type: none"> 1) The psychoanalytic theory 2) psychiatry <ul style="list-style-type: none"> • Anxiety disorders • Somatoform disorders • Dissociative disorders • mood disorders • Factitious disorders • Schizophrenia • personality disorders • cognitive disorders • substance related disorders • impulse control disorders • Mental retardation 3) Psycho dermatology 4) Psycho venereology 5) Psycho sexual disorders The paraphilias
5. Teaching and Learning Methods	<ul style="list-style-type: none"> • Lectures. • Seminars. • Clinical rounds. • Tutorials.
6. Teaching and learning facilities:	<ul style="list-style-type: none"> • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library.
7. Student Assessment:	
a. Attendance criteria:	Students must attend 75% of the clinical terms and lectures for entry to the final examination.
b. Assessment tools:	Summative assessment which is held at the end of the course and includes: Written exams. Oral exams.

c. Schedule:	April / September
d. Weighing of Assessment:	Written exam: 50 % Oral exam: : 50 %
8. List of Textbooks and References:	
	Lectures notes and handout of the department
Periodicals, Web Sites, ..., etc.	www.pubmed.com www.sciencedirect.com

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology

Course Specification of Physiology in Dermatology and Venereology, Master Degree (first part)

1. Course Data		
Course Code:	4. Course Title: course specification of physiology	Academic Year / level: Master degree 1 st part
Specialization: Dermatology and venereology	No. of teaching Units: 1	Lecture: Practical:

2. Course Aim	At the end of this course, the student will be able to understand appropriately the functional background of skin and reproductive system and integrate physiological information into the clinical one.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	At the end of this course, the student will be able to: <ol style="list-style-type: none">1. Describe and explain the functions of skin and genital system at the tissue and molecular levels .2. Outline the neurological pathway of different cutaneous sensations and their clinical impact.3. Understand the endocrinological control of testicular function and its clinical impact.
b. Intellectual Skills:	By the end of the course, students should be able to: <ol style="list-style-type: none">1. Relate physiological disturbances to skin and venereal diseases.
c. Professional Skills:	<ol style="list-style-type: none">1. Apply his/her knowledge in physiology in order to predict and manage clinical problems in dermatology and andrology.
d. General and transferable Skills:	<ol style="list-style-type: none">1. Communicate ethically with staff of other departments.
Course Content	<ul style="list-style-type: none">• Function of skin• Skin colour and endocrinological relation

	<ul style="list-style-type: none"> • Capillary circulation, factors affecting capillary permeability, and edema • Thermoregulatory mechanisms on exposure to cold and heat • Cutaneous sensations • Adrenal glands • Thyroid gland • Male reproductive system
4. Teaching and Learning Methods	<ul style="list-style-type: none"> • Lectures. • Seminars. • Clinical rounds. • Tutorials.
5. Teaching and Learning facilities	<ul style="list-style-type: none"> • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library.
6. Student Assessment:	
a. Attendance criteria:	Students must attend 75% of the clinical terms and lectures for entry to the final examination.
b. Assessment tools:	Summative assessment which is held at the end of the course and includes: Written exams Oral exams.
c. Schedule:	April /September
d. Weighing of Assessment:	
-Written:	50 %
-Oral:	50 %
7. List of Textbooks and References:	
	Guyton : Textbook of Medical Physiology . 2010 Illustrated medical physiology. lectures and department notes
Periodicals, Web Sites, ..., etc.	www.pubmed.com www.sciencedirect.com

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology

Course Specification of Histology in Dermatology and Venereology, Master Degree (first part)

1. Course Data		
Course Code:	Course Title: course specification of histology	Academic Year / level: Master degree 1 st part
Specialization: Dermatology and Venereology	No. of teaching Units: 1	Lecture: Practical:

2. Course Aim	At the end of this course, the student will be able to understand the basic histological structures of the skin and male genital system and correlate them to skin and venereal diseases.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	At the end of this course, the student will be able to: 1. Describe the histological characteristics of normal cells. 2. Understand the basis of genetics and its clinical significance. 3. Describe the basic histological structure of the skin and male genital system.
b. Intellectual Skills:	By the end of the course, students should be able to: 1. Relate normal structure of skin and male genital system to their normal function. 2. Understand the importance of electron microscopy in the field of dermatology.
c. Professional Skills:	By the end of the course, students should be able to: 1. Identify different stains and magnification powers required to demonstrate different structures and their clinical significance. 2. Detect early histological changes in the tissues of skin and male genitalia.
d. General and transferable	By the end of the course, students should be able to: 1. Respect the role of staff and co-staff members regardless of degree.

Skills:	2. Communicate ethically with staff of the other departments.
4. Course Content	<p><u>4.A. General:</u></p> <ul style="list-style-type: none"> • Cytology • Cytogenetics • Blood • Epithelium • Connective tissue • Cartilage • Bone • Muscle • Nervous tissue • Vascular system • Receptors • Lymphatic system • Reticuloendothelial system <p><u>4.B. Special:</u></p> <ul style="list-style-type: none"> • Skin • Urinary system • Male genital system
5. Teaching and Learning Methods	<ul style="list-style-type: none"> • Lectures. • Seminars. • Clinical rounds. • Tutorials.
6. Teaching and Learning facilities	<ul style="list-style-type: none"> • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library.
7. Student Assessment:	
a. Attendance criteria:	Students must attend 75% of the clinical terms and lectures for entry to the final examination.
b. Assessment tools:	Summative assessment which is held at the end of the course and includes: Written exams Oral exams.
c. Schedule:	April /September
d. Weighing of Assessment:	
-Written:	50 %
-Oral:	50 %

8. List of Textbooks and References:	
	Basic histology Junqueira, L.C. Atlas of histology: Di Fiore
Periodicals, Web Sites, ..., etc.	www.pubmed.com www.sciencedirect.com

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology

Course Specification of Biochemistry in Dermatology and Venereology, Master Degree (first part)

1. Course Data		
Course Code:	5. Course Title: course Specification of Biochemistry	Academic Year / level: Master degree(first part)
Specialization: Dermatology and Venereology	No. of teaching Units: 1	Lecture: Practical:

2. Course Aim	At the end of this course the student will be aware by the essential topics of biochemistry, biotechnology methods and their clinical implications, physico-chemical basis of the biological systems; and the related clinical problems.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	<p>At the end of this course, the student will be able to:</p> <ol style="list-style-type: none"> 1. Describe the structure and properties of carbohydrates, lipids and proteins of biological importance in dermatology and andrology. 2. Describe the structure of cell membrane and point out its importance. 3. Understand the structure and function of different types of cell receptors and their role in dermatology and andrology. 4. Describe the structure and synthesis of heme and proteins of the extracellular matrix. 5. Demonstrate the structure and importance of immunoglobulins and their types. 6. Describe the chemistry of nucleotides and nucleic acids and their defects. 7. Point out the processes of replication, transcription and translation. 8. Describe recombinant DNA biotechniques. 9. Outline the principles of gene therapy.
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b. Intellectual Skills:	1. By the end of the course, students should be able to interpret the results of the biochemical investigations including tumour markers.
c. Professional Skills:	By the end of the course, students should be able to: 1. Recognize how to separate plasma proteins by the electrophoresis technique. 2. Able to select the most relevant investigation related to the disease. 3. Understand the clinical importance of the tumour markers.
d. General and transferable Skills:	By the end of the course, students should be able to: 1. Respect the role of staff and co-staff members regardless of degree.
4. Course Content	<p><u>1. Carbohydrate metabolism:</u></p> <ul style="list-style-type: none"> • Digestion and absorption • Glycolysis • Gluconeogenesis • Glycogen metabolism • Glycogen storage diseases • Hypoglycaemia and hyperglycaemia • Diabetes mellitus • Fructose and galactose metabolism <p><u>2. Lipid metabolism:</u></p> <ul style="list-style-type: none"> • Digestion and absorption • Bioxidation • Phospholipids • Eicosanoids • Cholesterol and triglycerides metabolism • Lipogenesis • Lipid storage diseases • Lipid peroxidation <p><u>3. Protein metabolism:</u></p> <ul style="list-style-type: none"> • Structure • Digestion and absorption • Ammonia and urea cycle • Glycine, tryptophan, and glutamate <p>4. Haeme metabolism</p> <p><u>5. Minerals:</u></p> <ul style="list-style-type: none"> • Calcium and phosphorus metabolism • Iron metabolism • Copper metabolism <p><u>6. Vitamins:</u> water and lipid soluble vitamins</p> <p>7. Nucleotides and nucleic acids</p> <p>8. Free radicals</p> <p>9. Protooncogenes and tumour suppressor genes.</p>
5. Teaching and Learning Methods	<ul style="list-style-type: none"> • Lectures. • Seminars.

	<ul style="list-style-type: none"> • Clinical rounds. • Tutorials.
6. Teaching and learning facilities:	<ul style="list-style-type: none"> • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library.
7. Student Assessment:	
a. Attendance criteria:	Students must attend 75% of the clinical terms and lectures for entry to the final examination.
b. Assessment tools:	Summative assessment which is held at the end of the course and includes: Written exams Oral exams.
c. Schedule:	April /September
d. Weighing of Assessment: -Written: -Oral:	50 % 50 %
8. List of Textbooks and References:	
	<ul style="list-style-type: none"> • Harper's Biochemistry. • Lippincott's Illustrated Biochemistry.
Periodicals, Web Sites, ..., etc.	www.pubmed.com www.sciencedirect.com

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology

Course Specification of Microbiology in Dermatology and Venereology, Master Degree (first part)

1. Course Data		
Course Code:	6. Course Title: course Specification of Microbiology	Academic Year / level: Master degree 1 st part
Specialization: Dermatology and venereology	No. of teaching Units: 1	Lecture: Practical:

2. Course Aim	At the end of this course, the students know general principles of microbiology, immunology with stress on those related to skin diseases.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	By the end of the course the candidate will be able to: <ol style="list-style-type: none"> 1. Recognize basic information about nosocomial infection, basic immunology, bacteremia, toxemia and toxic shock. 2. Understand aetiology, symptoms and signs of mycobacterial disorders. 3. identify principles of Virology 4. Understand management of different infectious disorders.
b. Intellectual Skills:	By the end of the course the candidate will be able to: <ol style="list-style-type: none"> 1. Plan for control of infectious diseases 2. Distinguish diagnostic procedures:their uses, limitation and performing simple outpatient procedures necessary for diagnosis of bacterial, viral and fungal infections. 3. Integrate results of clinical examination with the investigational procedures to solve different immune deficiency disorders. 4. Distinguish the most appropriate methods for sample collection. 5. Evaluate benefit/cost ratio of of diagnostic

	<p>procedures</p> <ol style="list-style-type: none"> 6. Evaluate benefit/risk ratio of vaccines 7. Able to analyze the etiologic relation between skin and some microbes.
c. Professional Skills:	<p>By the end of the course the candidate will be able to:</p> <ol style="list-style-type: none"> 1. Perform different investigation techniques for mycology, bacteriology and viral infection. 2. Apply different assessment methods for infectious diseases
d. General and transferable Skills:	<p>By the end of the course, students should be able to:</p> <ol style="list-style-type: none"> 1. Respect the role of staff and co-staff members regardless of degree. 2. Acquire skills necessary for oral presentation. 3. Use information technology to identify modern procedures of management.
4. Course Content	<ul style="list-style-type: none"> • Introduction, collection of pathologic samples • Cleaning, sterilization and disinfection • Nosocomial infections • Mycobacterial infections • Basic immunology 1 • Basic immunology 2 • General virology • Viral hepatitis • HIV • Bacteremia, toxemia and toxic shock • Rickettsial infections • Antibacterial vaccines • Hypersensitivity reactions • Autoimmune diseases • Immunodeficiency and immune suppression • Investigation of immunologic disorders • Viral vaccines and antiviral drugs • Fevers • Bacterial respiratory and CNS infections • Viral respiratory and CNS diseases • GIT infections and food
5. Teaching and Learning Methods	<ul style="list-style-type: none"> • Lectures. • Seminars. • Clinical rounds. • Tutorials.
6. Teaching and learning facilities:	<ul style="list-style-type: none"> • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library.

7. Student Assessment:	
a. Attendance criteria:	Students must attend 75% of the clinical terms and lectures for entry to the final examination.
b. Assessment tools:	Summative assessment which is held at the end of the course and includes: Written exams Oral exams.
c. Schedule:	April /September
d. Weighing of Assessment:	
-Written:	50 %
-Oral:	50 %
8. List of Textbooks and References:	
	<ul style="list-style-type: none"> • Essential medical microbiology and immunology: • Department theoretical books and practical manual
Periodicals, Web Sites, ..., etc.	www.pubmed.com www.sciencedirect.com

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology

Course Specification of Pathology in Dermatology and Venereology, Master Degree (first part)

1. Course Data		
Course Code:	Course Title: course Specification of Pathology	Academic Year / level: Master degree 1 st part
Specialization: Dermatology and Venereology	No. of teaching Units:	Lecture: Practical:

2. Course Aim	At the end of this course, the students will know the concepts of general and dermatologic pathology.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	By the end of the course the candidate will be able to: 1. Recognize the etiopathogenesis of inflammations and related disorders 2. Understand aetiology, pathology, symptoms, signs and prognosis of granulomatous disorders. 3. Understand histopathologic pictures of different dermatological and medical conditions. 4. Assimilate the advances in knowledge which will occur over the working life.
b. Intellectual Skills:	By the end of the course the candidate will be able to: 1. Integrate results of clinical examination with the histopathologic features to solve different dermatological problems and its differential diagnosis. 2. Deal with uncertainty in problems that do not conform to classic data.
c. Professional Skills:	By the end of the course the candidate will be able to: 1. Take a skin biopsy. 2. Correlate between clinical and microscopic features. 3. Interpret and appraise a written dermatopathology report.

d. General and transferable Skills:	By the end of the course, students should be able to: 1. Respect the role of staff and co-staff members regardless of degree. 2. Acquire skills necessary for oral presentation. 3. Use information technology to identify modern procedures of management.
4. Course Content	<ul style="list-style-type: none"> • General pathology. • Skin pathology.
5. Teaching and Learning Methods	<ul style="list-style-type: none"> • Lectures. • Seminars. • Clinical rounds. • Tutorials.
6. Teaching and learning facilities:	<ul style="list-style-type: none"> • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library.
7. Student Assessment:	
a. Attendance criteria:	Students must attend 75% of the clinical terms and lectures for entry to the final examination.
b. Assessment tools:	Summative assessment which is held at the end of the course and includes: Written exams Oral exams.
c. Schedule:	April /September
d. Weighing of Assessment: -Written: -Oral:	50 % 50 %
8. List of Textbooks and References:	
	<ul style="list-style-type: none"> • LEVER`s textbook of Histopathology, 11th edition (2014). • Hand out of the department
Periodicals, Web Sites, ..., etc.	www.pubmed.com www.sciencedirect.com

Heads of departments:

Prof. Mohamed Kotb Ibrahim

Prof. Faten Abdel Wadood

Prof. Abd El Khalek Hasan Yones

Prof. Rabie Bedir Attalla

Dermatology & venereology department
Program specification of dermatology & venereology
(Master degree – 2nd part))

University : Al-Azhar University

Faculty(s) : Faculty of Medicine

Programme Specification

A- Basic Information

1. Programme Title : Master of Dermatology and Venereology
2. Code :
3. Program type :
4. Departments : Dermatology and venereology.
5. Coordinator :
Prof. NayeraMoftah, Dr. Doaa Abdel Maleek, Dr. AbeerMostafa, Dr. Rania Abdulghani, (girls)
Dr Mohamed El Hariri (boys)
6. 5- External Evaluator (s) :
7. Last date of programme specifications approval: 4 – 2014

B- Professional Information

I) Overall aims of the program:

At the end of this course, the students understand the modern concepts of different dermatological and venereal disorders. Also, they should use different sources of information to obtain data and learn independently.

Graduate specifications:

Graduate of master's program should be able to:

1. Mastering the fundamentals and methodologies of scientific research and use of its different tools.
2. Application of the analytical method used in the field of specialization.

3. Mastering the specialized knowledge and integrate with the knowledge has relationship in professional practice.
4. Show awareness of the ongoing problems and modern visions in the area of specialization.
5. Professional to identify problems and find solutions.
6. Mastering the scope of appropriate professional skills and use of appropriate technological means to serve the professional practice.
7. Communicate effectively and the ability to lead teams.
8. Decision-making in the contexts of various professional fields.
9. Employment of available resources to bring the greatest benefit and preservation of them.
10. Show awareness of his role in developing the community and preservation of the environment in light of global and regional variables.
11. Reflects the commitment to act with integrity, credibility, and commitment to the rules of the profession.
12. Development of his personality regarding academic and professional fields and able to learn continuously.

II) Intended learning outcomes of course (ILOS):

A. knowledge and Understanding:

By the end of the course the candidate will be able to:

1. Recognize the normal structure of the skin, primary and secondary skin lesions and function and development of the male and female genital systems and anatomy and factors or diseases that may disturb their functions.
2. Understand aetiology, pathology, symptoms, signs, history and prognosis of dermatological, venereal and andrological diseases of all ages.
3. Distinguish diagnostic procedures: their uses and limitations and performing simple outpatient procedures necessary for diagnosis of dermatological and sexually transmitted diseases.
4. Understand management of different dermatological, andrological and medical conditions including pharmacological, physical, nutritional and psychological therapies in a qualified manner.

5. Identify principles of health education and disease prevention related to the skin and internal diseases.
6. Assimilate the advances in knowledge which will occur over the working life and recognize methods of scientific research.
7. Recognize the effect of environmental factors on different dermatoses.
8. Cope with ethical, legal issues, and quality standards which occur during the management of the patients as regard dermatology and venereal diseases.

B. Intellectual skills:

By the end of the course the candidate will be able to:

1. Plan and carry out management strategy for different dermatological problems and sexually transmitted diseases and andrological problems.
2. Integrate results of clinical examination with the investigational procedures to solve different dermatological problems and its differential diagnosis.
3. Deal with uncertainty in problems that do not conform to classic data.
4. Conduct a scientific research.
5. Evaluate benefit/risk ratio of different dermatological therapies.
6. Plan for improvement of dermatological practice (projects and guidelines for management of different diseases)
7. Diagnose and take the decision of the best treatment option of dermatological diseases, sexually transmitted and andrological problems and their differential diagnoses.
8. Diagnose and take the decision of the best treatment option of dermatological diseases, sexually transmitted diseases, and andrological problems and their differential diagnoses.

C. Professional and practical skills:

By the end of the course the candidate will be able to:

1. Take a detailed dermatological history.
2. Perform thorough dermatological examination.
3. Perform different investigation techniques including mycology, skin biopsy, perform out patients procedures efficiently for different andrological problems, comedo extraction, cryocautery, electrocautery and phototherapy.

4. Apply different assessment methods used to assess sexually transmitted diseases.
5. Able to analyze the connection between skin and internal or systemic disorders.
6. Able to determine the efficacy of topical, phototherapy, systemic therapy and surgical procedures in different dermatoses.
7. Manage emergency conditions that may arise during treatment of severely ill admitted patients.
8. Perform dermatological outpatient and cosmetic procedures efficiently.
9. Interpret and appraise a written dermatopathology report
10. Write and appraise a medical report.

D. General and transferable skills:

By the end of the course the candidate will be able to:

1. Work together in small groups, for practical and seminar work
2. Skills necessary for oral presentation.
3. Demonstrate effective communication with patients, relatives and awareness of the impact of chronic dermatological diseases on the family and society and venereal diseases.
4. Provide education and advice to a patient with skin or venereal disease.
5. Use information technology to improve her dermatological practice & for self learning.
6. Learn independently.
7. Manage the time efficiently.

III) Academic Standards:

National academic reference standards (NARS) of the National Authority of Quality Assurance and Accreditation of Education (NAQAAE).

Comparison of Provision (Educational Program) to External References

Program ILOs	NARS
Knowledge and Understanding	
a.1	2.1.1

a.2	2.1.1
a.3	2.1.1
a.4	2.1.1-2.1.5
a.5	2.1.1
a.6	2.1.2
a.7	2.1.4-2.1.6
a.8	2.1.3
Intellectual Skills:	
b.1	2.2.1
b.2	2.2.3
b.3	2.2.2
b.4	2.2.4
b.5	2.2.5
b.6	2.2.6
b.7	2.2.7
Professional and practical skills:	
c.1	2.3.2
c.2	2.3.2
c.3	2.3.1
c.4	2.3.1
c.5	2.3.3
c.6	2.3.3
C.7	2.3.1
C.8	2.3.1
C.9	2.3.2
C.10	2.3.2
General and Transferable Skills:	
d.1	2.4.6

d.2	2.4.1
d.3	2.4.1
d.4	2.4.5
d.5	2.4.2-2.4.8
d.6	2.4.4-2.4.8
d.7	2.4.2
d.8	2.4.7

IV) Curriculum Structure and Contents:

a) **Programme duration:** 2 years (first part: 6 months, thesis, second part: 18 months)

b) **Programme structure:**

No. of hours per week:

	Lectures	Clinical/Practical	Total
Second part	14	20	34

c) **Course contents:**

A) Dermatology:

Basics of dermatology

- Normal skin histology.
- Physiological function of the skin.
- Diagnosis of skin diseases.
- Histopathology of the skin: general principles.
- Skin inflammation: cells, molecules, mediators.
- Immunology and allergy: pathogenesis and sequelae.
- Wound healing and skin regeneration.

Genodermatoses

Introduction to genetics, prenatal diagnosis and selected syndromes.

Vesiculobullous disorders

Immunobullous and mechanobullous dermatoses.

Papulosquamous disorders

- Psoriasis.

- Lichen planus and lichenoid reactions.
- Pityriasis rubra pilaris.

Allergic skin disorders

- Eczema.
- Atopic dermatitis.
- Contact dermatitis: allergic, irritant and occupational.
- Mechanical and thermal injury.
- Urticaria and angioneurotic edema.

Autoimmune collagen diseases:

- Lupus erythematosus.
- Scleroderma and morphea.
- Mixed connective tissue diseases and dermatomyositis.
- Lichen sclerosis, sjogren syndrome and rheumatoid diseases.
- Antiphospholipid syndrome.

Non infectious granuloma and sarcoidosis.

Bacterial skin infections

- Normal flora, gram positive, negative and anaerobic bacteria.
- Mycobacterial infections: tuberculosis, leprosy and atypical mycobacteria.

Viral skin infections

General pathology, herpes viruses, human papilloma virus, retrovirus, hepatitis viruses, Gianotti-Crosti syndrome and pityriasis rosea.

Parasitic skin infections

Leishmaniasis, scabies and pediculosis.

Fungal skin infections

Superficial, subcutaneous and systemic mycoses and their management.

Protozoal skin infections

Cutaneous vascular disorders

Diseases of subcutaneous fat

Drug reactions

Photodermatoses: basic principles, normal and abnormal reactions, photodermatoses and phototherapy.

Reactions to physical agent

Primary perforating dermatoses

Degenerative skin disorders

- Elastin.
- Collagen.
- Premature aging.
- Histiocytic proliferative disorders.
- Mastocytosis.

Metabolic and nutritional disorders

- Porphyria.
- Xanthoma and hyperlipidaemia.

- Amyloidosis.
- Calcinosis.
- Mucinosis and amino acid metabolism disorders.
- Lipoid proteinosis.
- Angiokeratoma.
- Nutrition and the skin.

Pigmentary disorders:

- Melanocyte biology, function and hypermelanosis.
- Vitiligo.
- Other disorders of pigmentation.

Erythema and telangiectasia

- Diffuse, localized, figurate, multiforme and toxic.
- Erythroderma.
- Flushing, rosacea and perioral dermatitis.
- Purpura and telangiectasia.

Hair disorders: physiology of hair and pathology.

Nail disorders: anatomy, biology and pathology.

Sweat gland disorders

Structure, function and common diseases of eccrine and apocrine glands.

Sebaceous gland disorders

Structure, function and diseases including acne vulgaris, naevi and tumours.

Tumours of the epidermis: benign, premalignant and malignant.

Tumours of melanocytes

Melanocytic nevi and malignant melanoma.

Tumours of blood vessels

Tumours of neural tissue

Tumours of adipose tissue

Lymphoma and leukaemia

Metastatic tumours

Skin and systemic diseases

Geriatric dermatoses and psychocutaneous disorders: a spot light.

Neonatal and pediatric dermatoses

Pregnancy related dermatoses

Occupational dermatoses

Pruritus and prurigo

Pathway, mediators, modulators, situations and management.

Cosmetic dermatology, LASER, cryotherapy and skin surgery.

General aspects of treatment:

- Systemic, local and others.
- Steroids.
- Retinoids.
- Antifungal drugs.
- Antibiotics and dapsone.

Antihistaminics and antiallergic drugs.

B) Venereology:

- Epidemiological aspects of STDs.
- Anatomical aspects of STDs.
- Gonococcal infections.
- Non-gonococcal infections.
- Lymphogranuloma venereum.
- Chancroid.
- Syphilis.
- Genital herpes.
- Genital warts.
- Genital trichomoniasis.
- Genital candidiasis.
- Molluscum contagiosum.
- AIDS
- Genital discharge
- Genital ulcers.
- Genital malignancy.
- Prostatitis.
- Epididymitis
- PID (pelvic inflammatory disease).

C) Sexology:

- Anatomy and physiology of male and female reproductive systems.
- Sexual development.
- Sexual cycle of both male and female.
- Male and female sexual dysfunction.
- Abnormal sexual behavior.
- Homosexuality.
- Intersex.

D) Andrology:

- Puberty disorders.
- Erectile dysfunction.
- Ejaculatory disorders.
- Varicocele.
- Emergency in andrology.
- Male infertility.
- ARTs and contraception.

V) Programme Courses:

Level/Year of Programme: Second part(subjects 2- annex 2),

CodeNo.	Course Title	No. of hours /week	
		Lectures	Clinical/Practical
	Dermatology	10	16
	Venereology &Andrology	4	4

VI) Programme-Courses ILOs Matrix:

	a								b								c										d						
Title	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7
Derma	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x
Vener	x	x	x	x	x			x	x			x	x			x		x	x			x				x	x	x	x	x	x	x	x

VII) Programme Admission Requirements:

According to the regulations and unified internal bylaws of Al-Azhar University's faculties of medicine:

VIII) Evaluation of Programme Intended Learning Outcomes:

Evaluator	Tool	Sample
1- Senior students	questionnaires	30 %
2- Alumni	questionnaires	30 %
3- Stakeholders (Employers)	Questionnaires	3 persons
4-External Evaluator(s)/External Examiner(s)	Report	1

5- Other (Peer staff from another university)	Report	1
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IX) Regulations for Progression and Programme Completion:

According to the unified internal by- laws of Al-Azhar University's faculties of medicine.

اللوائح المنظمة للتدريس لطلبة البكالوريوس الامراض الجلدية و التناسلية بجامعة الأزهر:

مادة (40): (عدلت بناء على قرار شيخ الأزهر رقم 873 لسنة 1996):

مدة الدراسة لنيل درجة التخصص (الماجستير) سنتان وتكون على جزئين:

- الجزء الأول: مدته 6 شهور من شهر أكتوبر
- الجزء الثانى: مدته 18 شهر تبدأ فى شهر مايو أو أكتوبر

مادة (41): (عدلت بناء على قرار شيخ الأزهر رقم 873 لسنة 1996)

يشترط فى قيد الطالب للحصول على درجة التخصص (الماجستير):

- أ- أن يكون حاصلأ على درجة الإجازة العالية (البكالوريوس) فى الطب والجراحة من جامعة الأزهر أو إحدى الجامعات المصرية أو على درجة معادلة لها من معهد آخر معترف به من الجامعة
- ب- ألا يقل تقدير الطالب عن جيد فى الإجازة العالية (البكالوريوس) أو أن يكون الطالب حاصلأ على درجة الإجازة العالية (البكالوريوس) بتقدير مقبول بشرط الحصول على دبلوم فى مجال التخصص بتقدير عام جيد على الأقل
- ج- أن يكون قد قضى السنة التدريبية (الإمتياز)
- د- أن يكون متفرغأ للدراسة لمدة سنة على الأقل

مع مراعاة نظام الجامعة فى الدراسة والإمتحانات للمواد الإسلامية المقررة لغير خريجي الأزهر

مادة (42):

يكون القيد لهذه الدرجة فى شهر أكتوبر وتبدأ الدراسة فى شهر نوفمبر من كل عام

مادة (43):

يشكل مجلس الكلية لجنة لكل تخصص تتولى وضع المحتوى العلمى للمقررات فى حدود الساعات الواردة فى اللائحة على أن تشمل هذه الساعات محاضرات ودروس عملية وتدريب إكلينيكى وتعرض على مجلس الكلية لإقرارها.

مادة (44):

يشترط لنيل درجة التخصص (الماجستير):

- أ- حضور المقررات الدراسية والتدريبات الإكلينيكية والعملية بصفة مرضية على ألا تقل نسبة الحضور عن 75 %
- ب- أن يقوم بالعمل كطبيب مقيم أصلى أو زائر لمدة سنة على الأقل في قسم التخصص
- ج- أن يقوم بإعداد بحث في موضوع يقره مجلس الجامعة بعد موافقة مجلس الكلية ينتهى بإعداد رسالة تقبلها لجنة الحكم قبل التقدم للإمتحان الثانى بشهر على الأقل
- د- أن ينجح فى إمتحان القسمين الأول والثانى.

الإختبارات للقسم الأول:

1. إختبار تحريرى مدته ثلاث ساعات فى الفسيولوجيا والكيمياء الحيوية + إختبار شفوى.
2. إختبار تحريرى مدته ثلاث ساعات فى الفارماكولوجيا + إختبار شفوى
3. إختبار تحريرى مدته ثلاث ساعات فى الباثالوجيا + إختبار عملى + إختبار شفوى
4. إختبار تحريرى مدته ثلاث ساعات فى أسس أمراض القلب.

الإختبارات للقسم الثانى:

1. إختبار تحريرى مدته ثلاث ساعات فى أمراض الجلدية.
2. إختبار تحريرى مدته ثلاث ساعات فى أمراض التناسلية.
3. إختبار إكلينيكى فى أمراض الجلدية.
4. إختبار شفوى فى أمراض الجلدية.
5. إختبار إكلينيكى فى أمراض التناسلية.
6. إختبار شفوى فى أمراض التناسلية.

مادة (46)

توزع درجات التقدير النهائى لدرجة التخصص (الماجستير) على الوجه التالى:

1. 30% منها لإمتحان القسم الأول
2. تقبل الرسالة بدون تقدير
3. 70% منها لإمتحان القسم الثانى

مادة (47): (عدلت بناء على قرار شيخ الأزهر رقم 873 لسنة 1996)

تعقد إمتحانات القسم الأول للماجستير فى شهر إبريل ومن يرسب يعيد الإمتحان فى شهر سبتمبر وتعقد إمتحانات القسم الثانى فى دورى نوفمبر وإبريل من كل عام ولا تبدأ الدراسة بالجزء الثانى إلا بعد النجاح فى القسم الأول

مادة (48): (عدلت بناء على قرار شيخ الأزهر رقم 873 لسنة 1996)

بعد نجاح الطالب فى الجزء الأول لا يجوز للطالب أن يبقى مقيداً للدراسة للجزء الأول لدرجة التخصص (الماجستير) أكثر من 4 سنوات من بدء القيد وفى حالة عدم إنتهاء الرسالة خلال أربع سنوات يمكن لمجلس الكلية الموافقة على مدها عام خامس و عام سادس وذلك للإنتهاء من إعداد الرسالة ومناقشتها للتقدم لإمتحان القسم الثانى وإذا لم ينته الطالب الحاصل على القسم الأول من إعداد الرسالة ومناقشتها خلال فترة الست سنوات يلغى تسجيله

نهائياً وفي حالة إعداد الرسالة ومناقشتها تطلق فرص التقدم لإمتحان القسم الثانى وفي جميع الأحوال فى حالة بقاء الطالب بعد ضعف مدة القيد (4 سنوات) يلزم بتسديد تكاليف إستمرار قيده طبقاً لما تقرره الجامعة.

مادة (50):

تحسب تقديرات النجاح والرسوب فى إمتحانات درجة التخصص (الماجستير) على الوجه التالى:

ممتاز :	85 % فأكثر
جيد جداً :	من 75 % إلى أقل من 85 %
جيد :	من 65 % إلى أقل من 75 %
مقبول :	من 60 % إلى أقل من 65 %
ضعيف :	من 30 % إلى أقل من 60 %
ضعيف جداً :	أقل من 30 %

ويكون النجاح فى المواد الإسلامية طبقاً للقواعد المتبعة فى الجامعة

Program Coordinators:

Prof. NayeraMoftah

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