

# Republic of Yemen

## Ministry of Higher Education & Scientific Research

### 21 SEPTEMBER UNIVERSITY of MEDICALS & APPLIED SCIENCES



## Faculty of Medicine

### Bachelor Program of Medicine and Surgery

## Course Specification of

### Dermatology

## Course Code. (A21P516)

2023



T4: This Template is Developed and Approved by CAQA-Yemen, 2023

Prepared by:	Reviewed by:	Head of department	Quality Unit:	Dean of Medicine Faculty	Center of Development and Quality Assurance Dean
Assoc.prof. Motea Abuarij	Dr. Maher Al-moreesh	Assoc.prof. Motea Abuarij	Dr. Fadhl Shujaa Al-deen	Dr. Salwa Al-Ghomeri	

## I. General Information:

1.	Course Title:	<b>Dermatology</b>				
2.	Course Code:	A21P516				
3.	Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours	
			Lecture	Tutorial/Seminar	Lab	Clinical
		3	2	--		3
4.	Level/ Semester at which this Course is offered:	5 <sup>th</sup> Level / 1 <sup>st</sup> Semester				
5.	Pre –Requisite (if any):	Histology and pathology				
6.	Co –Requisite (if any):	None				
7.	Program (s) in which the Course is Offered:	Bachelor of Medicine and surgery				
8.	Language of Teaching the Course:	English				
9.	Location of Teaching the Course:	Faculty of Medicine				
10.	Prepared by:	Assoc.prof. Motea Abdullah Abuarij				
11.	Date and Number of Approval by Council:	2023				

## II. Course Description:

The Dermatology course will introduce students to dermatology and patients with skin disease. It will enable students to diagnose common skin conditions and understand the principles of management of these patients. Students will also be taught about any rarer conditions that are severe and where early diagnosis is important. The course will cover the pathogenesis of the main skin conditions and rarer conditions, where these conditions provide insight into more common conditions and the main therapies used in dermatology including topical preparations, system drugs,

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phototherapy and surgery.

III. Course Intended Learning Outcomes (CILOs) : Upon successful completion of the course, students will be able to:		Referenced PILOs	
<b>A. Knowledge and Understanding:</b>		<b>I, P or M/A</b>	
a1	Describe the basic structure and function of skin and its appendages with special reference to primary and secondary skin lesions, and the basic anatomy of the testis and penis, and physiology of normal spermatogenesis and erection.	A	A1 Describe the general and basic sciences related to human body structure and functions with emphasis on normal and abnormal conditions.
a2	Define principles of history taking and clinical examination related to dermatological cases.	A	A3 Explain the pathological and pathogenesis changes in various diseases, and their etiological triggers including genetic, developmental, infectious, metabolic, endocrinal, autoimmune, neoplastic, traumatic, degenerative and occupational factors.
<b>B. Intellectual Skills:</b>			
b1	Integrate the anatomical and physiological information with clinical data.	A	B1 Compare between normal and abnormal conditions and predict the appropriate treatment or intervention.
b2	Interpret the clinical findings with the results of laboratory investigations to reach a proper diagnosis (or differential diagnosis) and a proper management plan.	P	B2 Analyze and interpret the finding from history, clinical examination and investigations to propose a diagnosis and develop a shared management plan for common acute, chronic and urgent physical

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				and mental health presentations.
<b>C. Professional and Practical Skills:</b>				
c1	Take and record a structured patient-centered history followed by proper physical examination to patients with dermatological disorders.	P	C1	Perform complete clinical examination and precise investigations to reach the final diagnosis.
c2	Examine the skin thoroughly and describe the physical signs including primary and secondary lesions using appropriate dermatological terms with special reference to skin lesions that may be a manifestation for internal organ disorders	A	C3	Carry out routine medical procedure and demonstrate the ability of using common medical tools required for diagnosis and management with highly qualified competency.
<b>D. Transferable Skills:</b>				
d1	Use the information technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.	P	D1	Communicate with professionals, patients, their families and the community through verbal, written and other non-verbal means.
d2	Act independently or collaboratively as a member of teamwork and communicate effectively with others.	A	D2	Work individually or in a team and develop lifelong learning using up to date technology that help in understanding the diseases and its control and prevention.
<b>I= Introduced, P=Practiced or M/A= Mastered/Advanced</b>				

<b>(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:</b>			
Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies	
a1	Describe the basic structure and function of skin and its appendages with special reference to primary and	- Interactive Lectures - Discussion	▪ Final written exam

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	secondary skin lesions, and the basic anatomy of the testis and penis, and physiology of normal spermatogenesis and erection.		
a2	Define principles of history taking and clinical examination related to dermatological cases.	- Interactive Lectures - Discussion	▪ Final written exam
<b>(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:</b>			
	<b>Course Intended Learning Outcomes</b>	<b>Teaching Strategies</b>	<b>Assessment Strategies</b>
b1	Integrate the anatomical and physiological information with clinical data.	▪ Interactive lectures ▪ Seminars ▪ Discussion	▪ Final written exam ▪ Final clinical exam
b2	Interpret the clinical findings with the results of laboratory investigations to reach a proper diagnosis (or differential diagnosis) and a proper management plan.	▪ Interactive lectures ▪ Seminars ▪ Discussion	▪ Final written exam ▪ Final clinical exam
<b>(C) Alignment of Course Intended Learning Outcomes (Professional and Practical Skills) to Teaching Strategies and Assessment Methods:</b>			
	<b>Course Intended Learning Outcomes</b>	<b>Teaching Strategies</b>	<b>Assessment Strategies</b>
c1	Take and record a structured patient-centered history followed by proper physical examination to patients with dermatological disorders.	▪ Training ▪ Case studies	▪ Final clinical exam ▪ OSCE
c2	Examine the skin thoroughly and describe the physical signs including primary and secondary lesions using appropriate dermatological terms with special reference to	▪ Training ▪ Case studies	▪ Final clinical exam ▪ OSCE

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	skin lesions that may be a manifestation for internal organ disorders		
<b>(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:</b>			
	<b>Course Intended Learning Outcomes</b>	<b>Teaching Strategies</b>	<b>Assessment Strategies</b>
d1	Use the information technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.	<ul style="list-style-type: none"> <li>▪ Seminars</li> <li>▪ Discussion</li> <li>▪ Case studies</li> <li>▪ Self-learning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Homework</li> <li>▪ Teamwork</li> </ul>
d2	Act independently or collaboratively as a member of teamwork and communicate effectively with others.	<ul style="list-style-type: none"> <li>▪ Seminars</li> <li>▪ Discussion</li> <li>▪ Case studies</li> <li>▪ Self-learning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Homework</li> <li>▪ Teamwork</li> </ul>

#### IV. Course Contents:

##### A. Theoretical Aspect:

No.	Units/Topics List	Week due	Contact Hours	Learning Outcomes (CILOs)
1	Introduction to skin structure and function, pathological terms, principles of diagnosis and therapy.	1st	2	a1,a2,b1,b2
2	Viral skin infections (herpes zoster, herpes simplex, chicken pox human immunodeficiency, molluscum contagiosum, warts). Bacterial skin infections (Impetigo, ecthyma, folliculitis, cellulitis, erysipelas, boils, abscess, erythrasma).		2	a2, b2
3	Skin TB (scrofuloderma, lupus vulgaris, miliary TB). Leprosy (Types leprosy reactions).		2	a2,b2,d1
4	Fungal skin diseases (Tinea.capitis, T.corporis, T.cruis, T.circinata, T.manuum, pityriasis versicolor,		2	a2,b2,d1

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No.	Units/Topics List	Week due	Contact Hours	Learning Outcomes (CILOs)
	candidiasis, onychomycosis). Parasitic skin diseases (scabies, pediculosis, leishmaniasis).			
5	Sebaceous and sweat glands diseases (acne vulgaris, rosacea, and perioral dermatitis).		2	a2,b2, d1
6	Hair disorders (alopecia scarring and non scarring, hypertrichosis and hirsutism). Nail disorders (acute and chronic paronychia, nail changes in dermatology disorder and systemic diseases) Pigmentary skin disorders (melasma, freckles, lentigo, and vitiligo).		2	a2,b2,d1
7	Papulovesicular diseases (psoriasis, eczema, lichen planus, pityriasis rosea, pityriasis rubra pilaris)		2	a2,b2,d1
8	Bullous diseases (pemphigus, pemphigoid).		2	a2,b2,d1
9	Allergic skin diseases (papular urticaria, urticaria angioedema, eczema, pityriasis alba, prurigo nodularis, and different types of dermatitis including; contact, irritant, atopic, seborrheic dermatitis, discoid, and stasis dermatitis). Drugs eruption. Dermatological emergencies.		2	a2,b2,d1
10	Morphea, systemic sclerosis, dermatomyositis, DLE, systemic lupus erythematosus		2	a2,b2,d1
11	Pathophysiology of pruritus Skin manifestations due to internal organs disorders	2 <sup>nd</sup>	2	a1,a2,b2,d1
12	Causes of genital discharge. Gonorrhoea, non-gonococcal urethritis		2	a2,b2,d1
13	Syphilis. Causes of genital ulcers		2	a2,b2,d1
14	HIV infection and AIDS		2	a2,b2,d1
15	Anatomy of the male genital tract, physiology of normal spermatogenesis,		2	a2,b2,d1

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No.	Units/Topics List	Week due	Contact Hours	Learning Outcomes (CILOs)
	Male infertility.			
16	Final Theoretical Exam	16 <sup>th</sup>	2	a1,a2,b1,b2,
Number of Weeks /and Units Per Semester		2W	32	

### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	Clinical cases (dermatology)	1 <sup>st</sup> – 2 <sup>nd</sup>	30	c1,c2, d1,d2
2	Final clinical Exam	15 <sup>th</sup>	3	c1,c2
Number of Weeks /and Units Per Semester		15	33	

### V. Teaching Strategies of the Course:

Lectures  
Discussion  
Clinical training  
Self -Learning  
Presentation  
Seminars

### VI. Assessment Methods of the Course:

Final Written Exam  
Homework & team work  
Clinical Exam  
OSCE

### VIII. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Homework & team work	2 <sup>nd</sup>	20	20%	d1, d2

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No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
2	Clinical Exam	15 <sup>th</sup>	30	30 %	b1,b2, c1, c2
3	Final Theoretical Exam & OSCE	16 <sup>th</sup>	50	50 %	a1,a2,b1,b2
Total			100	100%	

## IX. Learning Resources:

### 1- Required Textbook(s) ( maximum two ):

- 1- Clinical Dermatology. Hunter; and others. London: Blackwell Science.
- 2- -Simplified text book of Andrology. Hamed Abdalla Hamed. University book center, Egypt.

### 2- Essential References:

- 1- Andrew's Diseases of the skin: Clinical Dermatology. Williams james and others. Elsevier, USA.
- 2- Rook text book of dermatology. Blackwell company, USA.
- 3- Andrology for the clinician. Wolf-Bernhard Schill and others. Springer, USA.

### 3- Electronic Materials and Web Sites etc.:

1. <http://dermatlas.med.jhmi.edu/derm>
2. <http://medicine.uiowa.edu/dermatology>
3. <http://telemedicine.org/stamford.htm>
4. <http://www.cdc.gov>
5. <http://www.who.int/publications/i/item/9789241547789>

## X. Course Policies: (Based on the Uniform Students' By law (2007))

1	<b>Class Attendance:</b> Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.
2	<b>Tardiness:</b> A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	<b>Exam Attendance/Punctuality:</b> No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.
4	<b>Assignments &amp; Projects:</b> Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.

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5	<b>Cheating:</b> Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
6	<b>Forgery and Impersonation:</b> Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
7	<b>Other policies:</b> The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.

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## Faculty of Medicine

### Bachelor Program of Medicine and Surgery

## Course Plan (Syllabus) of

### Dermatology

### Course Code. (A21P516)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member:		Office Hours					
Location & Telephone No.:	----						
E-mail:	--@--.	SAT	SUN	MON	TUE	WED	THU

2023

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## II. Course Identification and General Information:

Course Title:	Dermatology				
Course Code:	A21P516				
Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours	Clinical
		Lecture	Tutorial/Seminar	Lab	
	3	2	--		
Level/ Semester at which this Course is offered:	5th Level / 1st Semester				
Pre –Requisite (if any):	Histology and pathology				
Co –Requisite (if any):	None				
Program (s) in which the Course is Offered:	Bachelor of Medicine and surgery				
Language of Teaching the Course:	English				
Location of Teaching the Course:	Faculty of Medicine				
Prepared by:	Assoc.prof. Motea Abdullah Abuarjij				
11	Date and Number of Approval by Council:	2023			

## III. Course Description:

The Dermatology course will introduce students to dermatology and patients with skin disease. It will enable students to diagnose common skin conditions and understand the principles of management of these patients. Students will also be taught about any rarer conditions that are severe and where early diagnosis is important. The course will cover the pathogenesis of the main skin conditions and rarer conditions, where these conditions provide insight into more common conditions and the main therapies used in dermatology including topical preparations, system drugs, phototherapy and surgery.

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#### IV. Course Intended Learning Outcomes (CILOs) :

Upon successful completion of the Course, student will be able to:

	<b>A. Knowledge and Understanding:</b>
a1	Describe the basic structure and function of skin and its appendages with special reference to primary and secondary skin lesions, and the basic anatomy of the testis and penis, and physiology of normal spermatogenesis and erection.
a2	Define principles of history taking and clinical examination related to dermatological cases.
	<b>B. Intellectual Skills:</b>
b1	Integrate <b>the anatomical and</b> physiological information with clinical data.
b2	Interpret the clinical findings with the results of laboratory investigations to reach a proper diagnosis (or differential diagnosis) and a proper management plan.
	<b>C. Professional and Practical Skills:</b>
c1	Take and record a structured patient-centered history followed by proper physical examination to patients with dermatological disorders.
c2	Examine the skin thoroughly and describe the physical signs including primary and secondary lesions using appropriate dermatological terms with special reference to skin lesions that may be a manifestation for internal organ disorders
	<b>D. Transferable Skills:</b>
d1	Use the information technology and internet resources efficiently for self-learning and gaining up-to-date information in the areas of interest.
d2	Act independently or collaboratively as a member of teamwork and communicate effectively with others.
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#### IV. Course Contents:

##### A. Theoretical Aspect:

No.	Units/Topics List	Week due	Contact Hours
1	Introduction to skin structure and function, pathological terms, principles of diagnosis and therapy.	1st	2
2	Viral skin infections (herpes zoster, herpes simplex, chicken pox human immunodeficiency, molluscum contagiosum, warts). Bacterial skin infections (Impetigo, ecthyma, folliculitis, cellulitis, erysipelas, boils, abscess, erythrasma).		2
3	Skin TB (scrofuloderma, lupus vulgaris, miliary TB). Leprosy (Types leprosy reactions).		2
4	Fungal skin diseases (Tinea.capitis, T.corporis, T.cruris, T.circinata, T.manuum, pityriasis versicolor, candidiasis, onychomycosis). Parasitic skin diseases (scabies, pediculosis,		2

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No.	Units/Topics List	Week due	Contact Hours
	leishmaniasis).		
5	Sebaceous and sweat glands diseases (acne vulgaris, rosacea, and perioral dermatitis).		2
6	Hair disorders (alopecia scarring and non scarring, hypertrichosis and hirsutism). Nail disorders (acute and chronic paronychia, nail changes in dermatology disorder and systemic diseases) Pigmentary skin disorders (melasma, freckles, lentigo, and vitiligo).		2
7	Papulosquamous diseases (psoriasis, eczema, lichen planus, pityriasis rosea, pityriasis rubra pilaris)		2
8	Bullous diseases (pemphigus, pemphigoid).		2
9	Allergic skin diseases (papular urticaria, urticaria angioedema, eczema, pityriasis alba, prurigo nodularis, and different types of dermatitis including; contact, irritant, atopic, seborrheic dermatitis, discoid, and stasis dermatitis). Drugs eruption. Dermatological emergencies.		2
10	Morphea, systemic sclerosis, dermatomyositis, DLE, systemic lupus erythematosus		2
11	Pathophysiology of pruritus Skin manifestations due to internal organs disorders	2 <sup>nd</sup>	2
12	Causes of genital discharge. Gonorrhea, non-gonococcal urethritis		2
13	Syphilis. Causes of genital ulcers		2
14	HIV infection and AIDS		2
15	Anatomy of the male genital tract, physiology of normal spermatogenesis, Male infertility.		2

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No.	Units/Topics List	Week due	Contact Hours
16	Final Theoretical Exam	16 <sup>th</sup>	2
Number of Weeks /and Units Per Semester		2	32

### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours
1	Clinical cases(dermatology)	1 <sup>st</sup> – 2 <sup>nd</sup>	30
2	Final clinical Exam	15 <sup>th</sup>	3
Number of Weeks /and Units Per Semester		2	33

### V. Teaching Strategies of the Course:

Lectures  
Discussion  
Clinical training  
Self -Learning  
Presentation  
Seminars

### VI. Assessment Methods of the Course:

Final Written Exam  
Log book  
Homework & team work  
Clinical Exam  
OSCE

### VIII. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Homework & team work	2 <sup>nd</sup>	20	20%

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No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
2	Clinical Exam	15 <sup>th</sup>	30	30 %
3	Final Theoretical Exam & OSCE	16 <sup>th</sup>	50	50 %
Total			100	100%

## IX. Learning Resources:

### 1- Required Textbook(s):

- 1- Clinical Dermatology. Hunter; and others. London: Blackwell Science.
- 2- Simplified text book of Andrology. Hamed Abdalla Hamed. University book center, Egypt.

### 2- Essential References:

- 1- Andrew's Diseases of the skin: Clinical Dermatology. Williams James and others. Elsevier, USA.
- 2- Rook text book of dermatology. Blackwell company, USA.
- 3- Andrology for the clinician. Wolf-Bernhard Schill and others. Springer, USA.

### 3- Electronic Materials and Web Sites etc.:

1. <http://dermatlas.med.jhmi.edu/derm>
2. <http://medicine.uiowa.edu/dermatology>
3. <http://telemedicine.org/stamford.htm>
4. <http://www.cdc.gov>
5. <http://www.who.int/publications/i/item/9789241547789>

## XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))

1	<b>Class Attendance:</b> Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.
2	<b>Tardiness:</b> A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	<b>Exam Attendance/Punctuality:</b> No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.

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4	<b>Assignments &amp; Projects:</b> Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	<b>Cheating:</b> Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
6	<b>Forgery and Impersonation:</b> Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
7	<b>Other policies:</b> The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.

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