

Republic of Yemen
Ministry of Higher Education & Scientific Research
Emirates International University



Faculty of Dentistry
Department of Conservative Dentistry
Doctor of Dental Surgery

Course Specification of Geriatrics
Course No. (-----)



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Review committee:

Head of the Department

Quality Assurance head

Dean of Faculty



I. Course Identification and General Information:

1	Course Title:	Geriatrics			
2	Course Code & Number:	----			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		1	1	--	--
4	Study Level/ Semester at which this Course is offered:	5 th Level / 2 nd Semester			
5	Pre –Requisite (if any):	Clinical Occlusion, Behavioral Sciences and Periodontics			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Doctor of Dental Surgery			
8	Language of Teaching the Course:	English			
9	Study System:	Semester based System			
10	Mode of Delivery:	Full Time			
11	Location of Teaching the Course:	Faculty of Dentistry			
12	Prepared by:	Dr. Ibrehim Al-Shami			

II. Course Description:

This course is designed to expose the students to the biology of aging process and its reflection on the oral health. The management of most common hard and soft tissue changes associated with elderly population discussed. In addition, psychological aspects of aging and anticipated age related systemic changes are covered. Special considerations when providing dental care for elderly are highlighted.



III. Course Intended Learning Outcomes (CILOs) : Upon successful completion of the course, students will be able to:		Referenced PILOs Learning out of program		
A. Knowledge and Understanding:		I, A or E		
a1	Describe the process of normal aging and age changes, effect of aging on teeth and oral mucosa,			A2
a2	Identify the psychological theories of aging, impact of aging on integrated organs and system			A5
B. Intellectual Skills:				
b1	Recognize the impact the older population will have on the dental field			B2
C. Professional and Practical Skills:				
c1	Discuss the plan of dental treatment modification for various medical, physical and oral conditions of geriatric patients and correlate the potential drug interactions with drugs used in dental settings			C4
D. Transferable Skills:				
d1	Demonstrate leadership skills and coordinate with fellow colleagues to submit a group task or assignment			D3

(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:		
Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
a1	<ul style="list-style-type: none"> ▪ Lectures ▪ Debate 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm exam ▪ Final exam.



a2	Identify the psychological theories of aging, impact of aging on integrated organs and system	<ul style="list-style-type: none"> ▪ Lectures ▪ Debate 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm exam ▪ Final exam.
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(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:

Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies	
b1	Recognize the impact the older population will have on the dental field	<ul style="list-style-type: none"> ▪ Lecture ▪ Discussion 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Midterm exam ▪ Final exam.

(C) Alignment of Course Intended Learning Outcomes (Professional and Practical Skills) to Teaching Strategies and Assessment Methods:

Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies	
c1	Discuss the plan of dental treatment modification for various medical, physical and oral conditions of geriatric patients and correlate the potential drug interactions with drugs used in dental settings	<ul style="list-style-type: none"> ▪ Demonstration ▪ Debate 	<ul style="list-style-type: none"> ▪ Homework

(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:

Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies	
d1	Demonstrate leadership skills and coordinate with fellow colleagues to submit a group task or assignment	<ul style="list-style-type: none"> ▪ Discussion ▪ Brainstorming 	<ul style="list-style-type: none"> ▪ Homework

IV. Course Contents:

A. Theoretical Aspect:

No	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CIOs)
1	Introduction	Definition, Goal of Geriatric dentistry, Objectives of Geriatric dentistry and Preventive	1	1	a1,b1



No	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
		measures for dental diseases			
2	BIOLOGY OF THE AGING PROCESS	Theories and process of normal aging and age change	1	1	a2, b1
3	SOFT & HARD TISSUE CHANGES	- Types, Examination, etiology and management	1	1	a1, b1
4	PSYCHOLOGICAL ASPECT OF AGING	Types, clinical aspect and managements	1	1	a2, b1
5	MANAGEMENT OF MEDICALLY COMPROMISED ELDERLY PATIENTS	Classification, oral manifestation and managements	2	2	a2, b1
6	MODALITIES OF MANAGEMENT FOR ELDERLY PATIENTS INCLUDING RESTORATIVE, PERIODONTICS, SURGICAL AND ENDODONTICS	Dental Caries and Tooth Loss, Dental tissues : include enamel , dentin, Cementum, pulpal calcification and external root resorptions	1	1	a1, a2, b1
7	Midterm Exam		1	1	a1, a2, b1
8	SURGERY FOR GERIATRIC PATIENTS	Function and aesthetic diagnosis and managements, including implant , TMJ, graft.	2	2	a1, a2, b1
9	PROSTHODONTIC TREATMENT FOR GERIATRIC PATIENTS	- Examination, different treatments of oral mucosa disease, salivary gland and periodontal disease.	2	2	a1,b1
10	NUTRITIONS IN GERIATRIC PATIENTS.	The Impact of The Oral Environment on Nutrition, Masticatory Efficiency	1	1	a1, b1
11	PREVENTIVE DENTAL CARE FOR GERIATRIC PATIENTS	Methods	2	2	a1, a2, b1
12	Final Exam			2	a1, a2, b1
Number of Weeks /and Units Per Semester			16	16	



V. Teaching Strategies of the Course:

- Lectures
- Debate
- Discussion
- Brainstorming
- Demonstration

VI. Assessment Methods of the Course:

- Quizzes
- Midterm exam
- Final exam
- Homework

VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	presentation	2 nd -15 th	10	b1,c1,d1
Total			10	

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

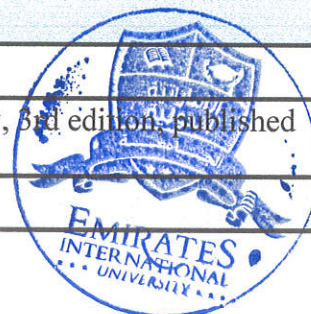
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Quizzes	4 th , 12 th	10	10%	a1, a2, b1
2	Midterm Exam	8 th	30	30%	a1, a2, b1
3	Assignments	2 nd - 15 th	10	10%	b1,c1,d1
4	Final Exam	16 th	50	50%	a1, a2, b1
Total			100	100%	

IX. Learning Resources:

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

Poul Holm-Pedersen, 2015, Textbook of Geriatric Dentistry, 5th edition, published by wiley-blackwell & Sons Ltd.

2- Essential References:



Paula K. Friedman, 2014, Geriatric Dentistry: Caring for Our Aging Population, 1st Edition, wiley blackwell

3- Electronic Materials and Web Sites etc.:

<https://link.springer.com/book/10.1007/978-0-387-74337-0>

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

1	Class Attendance: 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	Tardiness: A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	Exam Attendance/Punctuality: 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	Assignments & Projects: Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	Cheating: 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	Forgery and Impersonation: 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	Other policies: 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.



Faculty of Dentistry

Department of Conservative Dentistry

Doctor of Dental Surgery

Course Plan (Syllabus) of Geriatrics

Course No. (-----)

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

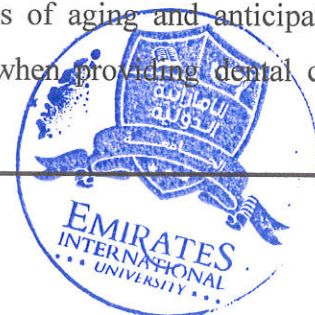


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5	Pre –Requisite (if any):	Clinical Occlusion, Behavioral Sciences and Periodontics			
6	Co –Requisite (if any):	None			
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9	Study System:	Semester based System			
10	Mode of Delivery:	Full Time			
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IV. Course Intended Learning Outcomes (CILOs) :

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

A. Knowledge and Understanding:	
a1	Describe the process of normal aging and age changes, effect of aging on teeth and oral mucosa,
a2	Identify the psychological theories of aging, impact of aging on integrated organs and system
B. Intellectual Skills:	
b1	Recognize the impact the older population will have on the dental field
C. Professional and Practical Skills:	
c1	Discuss the plan of dental treatment modification for various medical, physical and oral conditions of geriatric patients and correlate the potential drug interactions with drugs used in dental settings
D. Transferable Skills:	
d1	Demonstrate leadership skills and coordinate with fellow colleagues to submit a group task or assignment

V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Introduction	Definition, Goal of Geriatric dentistry, Objectives of Geriatric dentistry and Preventive measures for dental diseases	1	1
2	BIOLOGY OF THE AGING PROCESS	Theories and process of normal aging and age change	1	1
3	SOFT & HARD TISSUE CHANGES	- Types, Examination, etiology and management	1	1
4	PSYCHOLOGICAL ASPECT OF AGING	Types, clinical aspect and managements	1	1



No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
5	MANAGEMENT OF MEDICALLY COMPROMISED ELDERLY PATIENTS	Classification, oral manifestation and managements	2	2
6	MODALITIES OF MANAGEMENT FOR ELDERLY PATIENTS INCLUDING RESTORATIVE, PERIODONTICS, SURGICAL AND ENDODONTICS	Dental Caries and Tooth Loss, Dental tissues : include enamel , dentin, Cementum, pulpal calcification and external root resorptions	1	1
7	Midterm-Exam		1	1
8	SURGERY FOR GERIATRIC PATIENTS	Function and aesthetic diagnosis and managements, including implant , TMJ, graft.	2	2
9	PROSTHODONTIC TREATMENT FOR GERIATRIC PATIENTS-	- Examination, different treatments of oral mucosa disease, salivary gland and periodontal disease.	2	2
10	NUTRITIONS IN GERIATRIC PATIENTS.	The Impact of The Oral Environment on Nutrition, Masticatory Efficiency	1	1
11	PREVENTIVE DENTAL CARE FOR GERIATRIC PATIENTS	Methods	2	2
12	Final Theoretical Exam		1	2
Number of Weeks /and Units Per Semester			16	16

VI. Teaching Strategies of the Course:

- Lectures
- Debate
- Discussion
- Brainstorming
- Demonstration



VII. Assessment Methods of the Course:

- Quizzes
- Midterm exam
- Final exam
- Homework

VIII. Assignments:

No.	Assignments	Week Due	Mark
1	presentation	2nd -15th	10
Total			10

IX. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Quizzes	4 th , 12 th	10	10%
2	Midterm Exam	8 th	30	30%
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Total			100	100%

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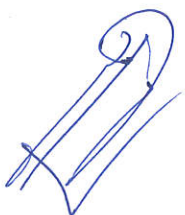
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