

# Republic of Yemen

Ministry of Education & Scientific Research

Council of Academic Accreditation & Quality Assurance of

Higher Education(CAQA)



**21 September University**

## **Faculty of Dentistry**

Department of Oral Medicine, Oral Diagnosis, Periodontology and  
Radiology

Program of Bachelor of Dental surgery

## **Course Specification of**

Dental Implant

**Course Code.** (09.13.942)

**2024/2025**

## I. General Information:

1.	<b>Course Title:</b>	<b>Dental implant</b>				
2.	<b>Course Code:</b>	09.13.942				
3.	<b>Credit Hours:</b>	<b>Credit Hours</b>	<b>Theory Contact Hours</b>		<b>Practical Contact Hours</b>	
			<b>Lecture</b>	<b>Tutorial/ Seminar</b>	<b>Lab</b>	<b>Clinical</b>
		2	2	--	--	--
4.	<b>Level/ Semester at which this Course is offered:</b>	5 <sup>th</sup> Level / 1 <sup>st</sup> Semester				
5.	<b>Pre –Requisite (if any):</b>	<b>Clinical Oral Surgery (3)</b>				
6.	<b>Co –Requisite (if any):</b>	-----				
7.	<b>Program (s) in which the Course is Offered:</b>	Bachelor of Dental surgery				
8.	<b>Language of Teaching the Course:</b>	English				
9.	<b>Location of Teaching the Course:</b>	Faculty of Dentistry				
10.	<b>Prepared by:</b>	Dr. Wadhah Alhajj				
11.	<b>Date and Number of Approval by Council:</b>					

## II. Course Description:

The course is guiding the students to the new and advanced methods of the teeth replacement by which the patient will be rehabilitated with fixed and removable implants supporting prosthesis. The students are learned the theoretical basis of dental implant and the relation with the other dentistry branches clearly. The different types, approaches, materials and the field of new concerns in dental implants development are also recognized. Clinical Oral Surgery (3) is a pre-requisite for this course. Lectures, discussions and cooperative learning strategies are used as teaching strategies of this course.

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 theoretical basis of dental implant and the relation with the other dentistry branches.	<b>M</b>	<b>A1</b> Describe the scientific basis of dentistry and the relevant biomedical and behavioral sciences which form the basis for understanding human growth, development and health.
			<b>A4</b> Describe the different clinical, laboratory and special investigatory procedures practiced in dentistry.
a2	Recognize the different types, approaches, innovations and the field of new concerns in dental implants development precisely.	<b>M</b>	<b>A4</b> Describe the different clinical, laboratory and special investigatory procedures practiced in dentistry.
<b>B. Intellectual Skills:</b>			
b1	Illustrate the appropriate dental implant for each clinical case clearly and the need for specialist reference.	<b>M</b>	<b>B1</b> Incorporate theoretical basic biomedical, behavioral and dental sciences with the clinical signs and symptoms for appropriate understanding of disease and its management.
			<b>B2</b> Evaluation of critical thinking and evidence-based problem solving when providing patient's care.
b2	Distinguish the different types and components of dental implant.	<b>M</b>	<b>B5</b> Select suitable dental materials, and prescribe medicaments to be used in a specific clinical situation.
<b>C. Professional and Practical Skills:</b>			
c1	Perform the proper history, clinical examination and diagnostic aids to reach	<b>P</b>	<b>C1</b> Obtain and record a comprehensive history, perform

	the definitive diagnosis and treatment for dental implant patients.			an appropriate physical examination, and carry out different investigations to reach a correct diagnosis and treatment.
<b>D. Transferable Skills:</b>				
d1	Demonstrate teamwork skills with colleagues and other oral health team during implant treatment.	M	D2	Exhibit leadership and Management skills to set treatment priorities and work to prescribed time limits.
<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 theoretical basis of dental implant and the relation with the other dentistry branches.	<ul style="list-style-type: none"> <li>▪ Interactive lectures</li> <li>▪ Seminars</li> <li>▪ Discussion</li> <li>▪ Self-learning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Written Exam</li> <li>▪ Final Oral Exam</li> <li>▪ Final Practical Exam</li> </ul>
a2	Recognize the different types, approaches, innovations and the field of new concerns in dental implants development precisely.	<ul style="list-style-type: none"> <li>▪ Interactive lectures</li> <li>▪ Seminars</li> <li>▪ Discussion</li> <li>▪ Self-learning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Written Exam</li> <li>▪ Final Oral Exam</li> <li>▪ Final Practical Exam</li> </ul>
<b>(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:</b>			
Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
b1	Illustrate the appropriate dental implant for each clinical case clearly and the need for specialist reference.	<ul style="list-style-type: none"> <li>▪ Interactive lectures</li> <li>▪ Seminars</li> <li>▪ Discussion</li> <li>▪ Self-learning</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Written Exam</li> <li>▪ Final Oral Exam</li> <li>▪ Final Practical Exam</li> </ul>
b2	Distinguish the different types and components of dental implant	<ul style="list-style-type: none"> <li>▪ Interactive lectures</li> <li>▪ Seminars</li> <li>▪ Discussion</li> </ul>	<ul style="list-style-type: none"> <li>▪ Quizzes</li> <li>▪ Written Exam</li> <li>▪ Final Oral Exam</li> </ul>

		▪ Self-learning	▪ Final Practical 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	Perform the proper history, clinical examination and diagnostic aids to reach the definitive diagnosis and treatment for dental implant patients	<ul style="list-style-type: none"> <li>▪ Practical session</li> <li>▪ Training</li> <li>▪ CBL</li> <li>▪ PBL</li> </ul>	<ul style="list-style-type: none"> <li>▪ Final Clinical Exam</li> <li>▪ Final Practical Exam</li> <li>▪ OSCE</li> <li>▪ OSPE</li> </ul>
<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	Demonstrate teamwork skills with colleagues and other oral health team during implant treatment.	<ul style="list-style-type: none"> <li>▪ Seminars</li> <li>▪ Discussion</li> <li>▪ Self-Learning</li> <li>▪ Presentation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Homework</li> <li>▪ Research</li> </ul>

#### IV. Course Contents:

##### A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	<b>Introduction to implant dentistry</b>	<ul style="list-style-type: none"> <li>- Definition &amp; history of dental implant.</li> <li>- Osseo-integration.</li> </ul>	1	2	a1, c1
2	<b>Types and components of dental implants</b>	<ul style="list-style-type: none"> <li>- Types of dental implants.</li> <li>- Basic components of dental implant</li> </ul>	1	2	a2, b2
3	<b>Patient selection for dental implant</b>	<ul style="list-style-type: none"> <li>- Indications of dental implant.</li> <li>- Contraindications of dental implant</li> <li>- Patient evaluation for dental</li> </ul>	1	2	a1, b1, c1, d1

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
		implant.			
4	Applied anatomy for dental implant(I)	<ul style="list-style-type: none"> <li>- Introduction.</li> <li>- Surgical anatomy of anterior mandible.</li> <li>- Surgical anatomy of posterior mandible.</li> </ul>	1	2	a1, b1, c1
5	Applied anatomy for dental implant(II)	<ul style="list-style-type: none"> <li>- Surgical anatomy of anterior maxilla.</li> <li>- Surgical anatomy of posterior maxilla.</li> </ul>	1	2	a1, b1, c1
6	Treatment planning for dental implant (I)	<ul style="list-style-type: none"> <li>- Dental implant team.</li> <li>- Patient records for dental implant.</li> </ul>	1	2	a2, b1, c1, d1
7	Treatment planning for dental implant (II)	<ul style="list-style-type: none"> <li>- Pre-treatment phase for dental implant.</li> <li>- Peri-implant environment analysis.</li> </ul>	1	2	a2, b1, c1, d1
8	- Midterm examination		1	2	a1, a2, b1, b2, c1, d1
9	Imaging for dental implant (part 1)	<ul style="list-style-type: none"> <li>- Imaging technique for implant planning.</li> <li>- Panorama for implant planning.</li> </ul>	2	4	a1, a2, b1, c1, d1
10	Imaging for dental implant (part 2)	<ul style="list-style-type: none"> <li>- CT and CBCT in implantology.</li> <li>- Computer-guided implantology</li> </ul>	2	4	a1, a2, b1, c1, d1
11	Surgical phase for dental implant	<ul style="list-style-type: none"> <li>- Surgical template for dental implant.</li> <li>- Surgical environment and instrumentation for dental implant.</li> <li>- Surgical steps for dental implant.</li> </ul>	2	4	a1, a2, b1, b2, c1, d1
12	Prosthetic phase for dental implant	<ul style="list-style-type: none"> <li>- Provisional restoration for dental implant.</li> <li>- Prosthetic kit for dental implant.</li> <li>- Dental implant impression techniques.</li> </ul>	1	2	a1, a2, b1, b2, c1, d1

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
		- Prosthetic phase for various implant supported prosthesis			
13	- Final Theoretical Exam		1	2	a1, a2, b1, b2, c1, d1
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>32</b>	

### B. Practical Aspect (Lab/Clinical) (if any):

No.	Tasks/ Experiments	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	- Charting for dental implant patients	3	9	a1, c1
2	- Demo for Dental implants parts	3	9	a2, b2,
3	- Demo for Dental implants accessories	2	6	a2, b2,
4	- Demo for Dental implants types	2	6	a2, b2,
5	- Demo for Dental implants operating system components	2	6	a2, b2,
6	- Workshop for panoramic and BCT interpretation	2	6	a1, a2, b1, c1, d1
7	- Final practical examination	1	3	a1, a2, b1, c1, d1
<b>Number of Weeks /and Units Per Semester</b>		<b>15</b>	<b>45</b>	

### VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	<b>Assignments: Analysis of panoramic and CBCT radiographs for implant case</b>	4 <sup>th</sup> -12 <sup>th</sup> week	10	a1, a2, b1, c1, d1
	<b>Attending a demo of surgical procedures (Dental implant placement)</b>	13 <sup>th</sup> and 14 <sup>th</sup> weeks	10	a1, a2, b2, c1, d1

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
<b>Total</b>			<b>20</b>	

### 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	Assignments	4 <sup>th</sup> - 14 <sup>th</sup> week	20	20%	a1, a2, b1, b2, c1, d1
2	Mid-Term Theoretical Exam	8 <sup>th</sup> week	20	20%	a1, a2, b1, b2, c1, d1
3	Final Practical Exam	15 <sup>th</sup> week	20	20%	a1, a2, b1, c1, d1
4	Final Theoretical Exam	16 <sup>th</sup> week	40	40%	a1, a2, b1, b2, c1, d1
<b>Total</b>			<b>100</b>	<b>100%</b>	

### IX. Learning Resources:

- *Written in the following order:* Author, Year of publication, Title, Edition, Place of publication, Publisher.

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

- 1- Carl E. Misch- 2021 - Contemporary Implant Dentistry, 4<sup>th</sup> edt.Elsevier.
- 2- Newman and Carranza`s Clinical Periodontology, Newman MG, Takei HH, Klokkevold PR, Carranza FA, 14<sup>th</sup> , Edition, 2024

#### 2- Essential References:

- 1- John Beumer III, Robert F. Faulkner, Kumer C. Shah, Peter K. Moy - 2015-fundamentals implant dentistry. surgical principles, 2nd edt Quintessence Publishing.
- 2- Beumer, John III; Faulkner, Robert F.; Shah, Kumar C.; Moy, Peter K -2017,fundamentals implant dentistry prosthodontic. Principles, 2nd edt. Quintessence Publishing.

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

##### Websites:

- 1- Use google scholar Engine Search <https://scholar.google.com/>
- 2- <https://pubmed.ncbi.nlm.nih.gov/>

**Journals:**

- 1- Journal of dental implantology
- 2- International Journal of Oral Implantology & Clinical Research

**Other Web Sources:**

[https://www.youtube.com/playlist?list=PL-TwImXvohxJ7hbRMTKBHPuePyQeffGI\\_](https://www.youtube.com/playlist?list=PL-TwImXvohxJ7hbRMTKBHPuePyQeffGI_)

**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.
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.

## Republic of Yemen

Ministry of Education & Scientific Research

Council of Academic Accreditation & Quality Assurance of

Higher Education(CAQA)



## 21 September University

### Faculty of Dentistry

Department of Oral Medicine, Oral Diagnosis, Periodontology and  
Radiology

Program of Bachelor of Dental surgery

### Course Specification of

Dental implants

**Course Code.** (09.13.942)

**2024/2025**



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

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

2024/2025

II. Course Identification and General Information:					
Course Title:	Dental implant				
Course Code:	09.13.942				
Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours	
		Lecture	Tutorial/ Seminar	Lab	Clinical
	2	2	--	--	--
Level/ Semester at which this Course is offered:	5th Level / 1st Semester				
Pre –Requisite (if any):	Clinical Oral Surgery (3)				
Co –Requisite (if any):	-----				
Program (s) in which the Course is Offered:	Bachelor of Dental surgery				
Language of Teaching the Course:	English				
Location of Teaching the Course:	Faculty of Dentistry				
Prepared by:	Dr. Wadhah Alhajj				
11 Date and Number of Approval by Council:					

### III. Course Description:

The course is guiding the students to the new and advanced methods of the teeth replacement by which the patient will be rehabilitated with fixed and removable implants supporting prosthesis. The students are learned the theoretical basis of dental implant and the relation with the other dentistry branches clearly. The different types, approaches, materials and the field of new concerns in dental implants development are also recognized. Clinical Oral Surgery (3) is a pre-requisite for this course. Lectures, discussions and cooperative learning strategies are used as teaching strategies of this course.

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

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

A. Knowledge and Understanding:	
a1	Describe the theoretical basis of dental implant and the relation with the other dentistry branches.
a2	<b>Recognize the different types</b> , approaches, innovations and the field of new concerns in dental implants development precisely.
B. Intellectual Skills:	
b1	Illustrate the appropriate dental implant for each clinical case clearly and the need for specialist reference.
b2	Distinguish the different types and components of dental implant.
C. Professional and Practical Skills:	
c1	Perform the proper history, clinical examination and diagnostic aids to reach the definitive diagnosis and treatment for dental implant patients.
<b>D</b>	
.	

	T r a n s f e r a b l e  S k i l l s :
--	---

d1	Demonstrate teamwork skills with colleagues and other oral health team during implant treatment.	
----	--	--

**I= Introduced, P=Practiced or M/A= Mastered/Advanced**

## V. Course Contents:

### A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	<b>Introduction to implant dentistry</b>	<ul style="list-style-type: none"> <li>- Definition &amp; history of dental implant.</li> <li>- Osseo-integration.</li> </ul>	1	2
2	<b>Types and</b>	<ul style="list-style-type: none"> <li>- Types of dental implants.</li> </ul>	1	2

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
	<b>components of dental implants</b>	- Basic components of dental implant		
3	<b>Patient selection for dental implant</b>	- Indications of dental implant. - Contraindications of dental implant - Patient evaluation for dental implant.	1	2
4	<b>Applied anatomy for dental implant(I)</b>	- Introduction. - Surgical anatomy of anterior mandible. - Surgical anatomy of posterior mandible.	1	2
5	<b>Applied anatomy for dental implant(II)</b>	- Surgical anatomy of anterior maxilla. - Surgical anatomy of posterior maxilla.	1	2
6	<b>Treatment planning for dental implant (I)</b>	- Dental implant team. - Patient records for dental implant.	1	2
7	<b>Treatment planning for dental implant (II)</b>	- Pre-treatment phase for dental implant. - Peri-implant environment analysis.	1	2
8	- <b>Midterm examination</b>		1	2
9	<b>Imaging for dental implant (part 1)</b>	- Imaging technique for implant planning. - Panorama for implant planning.	2	4
10	<b>Imaging for dental implant (part 2)</b>	- CT and CBCT in implantology. - Computer-guided implantology	2	4
11	<b>Surgical phase for dental implant</b>	- Surgical template for dental implant. - Surgical environment and instrumentation for dental implant. - Surgical steps for dental implant.	2	4
12	<b>Prosthetic phase for dental implant</b>	- Provisional restoration for dental implant. - Prosthetic kit for dental implant. - Dental implant impression techniques. - Prosthetic phase for various implant supported prosthesis	1	2
13	- <b>Final Theoretical Exam</b>		1	2
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>32</b>

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	<b>Introduction to implant dentistry</b>	- Definition & history of dental implant. - Osseo-integration.	1	2
2	<b>Types and components of dental implants</b>	- Types of dental implants. - Basic components of dental implant	1	2
3	<b>Patient selection for dental implant</b>	- Indications of dental implant. - Contraindications of dental implant Patient evaluation for dental implant.	1	2
4	<b>Applied anatomy for dental implant(I)</b>	- Introduction. - Surgical anatomy of anterior mandible. Surgical anatomy of posterior mandible.	1	2
5	<b>Applied anatomy for dental implant(II)</b>	- Surgical anatomy of anterior maxilla. - Surgical anatomy of posterior maxilla.	1	2
6	<b>Treatment planning for dental implant (I)</b>	- Dental implant team. Patient records for dental implant.	1	2
7	<b>Treatment planning for dental implant (II)</b>	- Pre-treatment phase for dental implant. - Peri-implant environment analysis.	1	2
8	<b>Midterm examination</b>		1	2
9	<b>Imaging for dental implant (part 1)</b>	- Imaging technique for implant planning. - Panorama for implant planning.	2	4
10	<b>Imaging for dental implant (part 2)</b>	- CT and CBCT in implantology. <b>Computer-guided implantology</b>	2	4
11	<b>Surgical phase for dental implant</b>	- Surgical template for dental implant. - Surgical environment and instrumentation for dental implant. - Surgical steps for dental implant.	2	4
12	<b>Prosthetic phase</b>	- Provisional restoration for dental implant.	1	2

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
	<b>for dental implant</b>	<ul style="list-style-type: none"> <li>- Prosthetic kit for dental implant.</li> <li>- Dental implant impression techniques.</li> <li>- Prosthetic phase for various implant supported prosthesis</li> </ul>		
13	– Final Theoretical Exam		1	2
- Number of Weeks /and Units Per Semester			16	32

### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Number of Weeks	Contact Hours
1	Charting for dental implant patients	3	9
2	Demo for Dental implants parts	3	9
3	Demo for Dental implants accessories	2	6
4	Demo for Dental implants types	2	6
5	Demo for Dental implants operating system components	2	6
6	Workshop for panoramic and BCT interpretation	2	6
7	Final practical examination	1	3
Number of Weeks /and Units Per Semester		15	45

No.	Tasks/ Experiments	Number of Weeks	Contact Hours
1	- Charting for dental implant patients	3	9
2	- Demo for Dental implants parts	3	9
3	- Demo for Dental implants accessories	2	6
4	- Demo for Dental implants types	2	6
5	- Demo for Dental implants operating system components	2	6
6	- Workshop for panoramic and BCT interpretation	2	6
7	- Final practical examination	1	3
Number of Weeks /and Units Per Semester		15	45

Error! Reference source not found.

## VI. Teaching Strategies of the Course:

Error! Reference source not found.

## VII. Assessment Methods of the Course:

Error! Reference source not found.

## VIII. Assignments:

No.	Assignments	Week Due	Mark
1	Assignments: Analysis of panoramic and CBCT radiographs for implant case	4th -12th week	10
	Attending a demo of surgical procedures (Dental implant placement)	13th and 14th weeks	10
<b>Total</b>			20

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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Assignments	4th - 14th week	20	20%
2	Mid-Term Theoretical Exam	8th week	20	20%
3	Final Practical Exam	15th week	20	20%
4	Final Theoretical Exam	16th week	40	40%
<b>Total</b>			100	100%

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Assignments	4 <sup>th</sup> - 14 <sup>th</sup> week	20	20%
2	Mid-Term Theoretical Exam	8 <sup>th</sup>	20	20%

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
		week		
3	Final Practical Exam	15 <sup>th</sup> week	20	20%
4	Final Theoretical Exam	16 <sup>th</sup> week	40	40%
<b>Total</b>			<b>100</b>	<b>100%</b>

## X. Learning Resources:

- Written in the following order: Author, Year of publication, Title, Edition, Place of publication, Publisher.

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

Carl E. Misch- 2021 - Contemporary Implant Dentistry, 4th edt.Elsevier.  
Newman and Carranza`s Clinical Periodontology, Newman MG, Takei HH, Klokkevold PR, Carranza FA, 14<sup>th</sup> , Edition, 2024

### 2- Essential References:

John Beumer III, Robert F. Faulkner, Kumer C. Shah, Peter K. Moy - 2015-fundamentals implant dentistry. surgical principles, 2nd edt Quintessence Publishing.  
Beumer, John III; Faulkner, Robert F.; Shah, Kumar C.; Moy, Peter K -2017,fundamentals implant dentistry prosthodontic. Principles, 2nd edt. Quintessence Publishing.

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

#### Websites:

- 1- Use google scholar Engine Search <https://scholar.google.com/>
- 2- <https://pubmed.ncbi.nlm.nih.gov/>

#### Journals:

Journal of dental implantology  
International Journal of Oral Implantology & Clinical Research

#### Other Web Sources:

[https://www.youtube.com/playlist?list=PL-TwImXvohxJ7hbRMTKBHPuePyQeffGI\\_](https://www.youtube.com/playlist?list=PL-TwImXvohxJ7hbRMTKBHPuePyQeffGI_)

<b>XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))</b>	
<b>1</b>	<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.
<b>2</b>	<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.
<b>3</b>	<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.
<b>4</b>	<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.
<b>5</b>	<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.
<b>6</b>	<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.
<b>7</b>	<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.