

**Republic of Yemen**

**Ministry of Higher Education & Scientific Research**

**Emirates International University**



**Faculty of Dentistry**

**Department of Oral Surgery**

**Doctor of Dental Surgery**

**Course Specification of**

**Anatomy I (General)**

**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:	Anatomy I (General)			
2	Course Code & Number:	----			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		3	2	--	2
4	Study Level/ Semester at which this Course is offered:	1 <sup>st</sup> Level / 1 <sup>st</sup> Semester			
5	Pre –Requisite (if any):	None			
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. Saleh Al-Dhaheri			

## II. Course Description:

Anatomy is one of the most important courses that requires the student to learn dentistry, which enables him to know a number of concepts and issues, the most important of which are: The history of morphological sciences, the structures of human body. This course is designed to provide the students with the needed knowledge in human anatomy needed to be applied at a later stage during their clinical training. The lecture topics include introduction to anatomy with study systems consisting human body and some applied comparative clinical anatomy in addition to all related structures of each region and its surface anatomy

III. Course Intended Learning Outcomes (CILOs) : <b>(maximum 8)</b> Upon successful completion of the course, students will be able to:		Referenced PILOs Learning out of program		
<b>A. Knowledge and Understanding:</b>		I, A or E		
a1	Name all structures, components, systems, Regions, parts, organs, cavities of human body.		A1, A2	
a2	Must know all and the enough knowledge and information of human anatomy about human body which needed to other clinical and Para clinical sciences as pathology		A2	
a3	Complete all the basic information which prepare them as dentist in the future, and enable them for postgraduate study.		A2	
a4	Establish dentist with excellent information and skills of human anatomy able to compete others worldwide.		A1	
<b>B. Intellectual Skills:</b>				
b1	Categorize structures and organs of different regions of human body.		B1	
b2	Analyze the basic, surface and applied anatomy to solve clinical problems		B1	
b3	Distinguish position, relation, blood supply and drainage, lymphatic's and nerve supply of different organs and structures		B1	
b4	Integrate with clinical problem according to site of injury		B2	
<b>C. Professional and Practical Skills:</b>				

c1	Demonstrate relationship between the different structures and organs.		C1	
c2	Interpret the relationship between form and structures by applying comparative human anatomy in understanding the origin of blood and nerve supply		C1	
c3	Prescribe relevance of bones, muscles, regions, contents, arteries, veins, nerves and lymphatic's of organs and structures and human body.		C1, C2	
<b>D. Transferable Skills:</b>				
d 1	Inspect anatomical basis which requires to understand its physiology.		D8	
d 2	Evaluate the Para clinical points as operative, anesthesia and surgery.		D2	
d 3	Estimate the clinical & Para clinical problems.		D8	

<b>(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:</b>			
<b>Course Intended Learning Outcomes</b>		<b>Teaching Strategies</b>	<b>Assessment Strategies</b>
a1	Name all structures, components, systems, Regions, parts, organs, cavities of human body.	Lecture Demonstration Discussion Presentation	Quizzes Midterm Exam Final Exam Oral Exam
a2	Must know all and the enough knowledge and information of human anatomy about human body which needed to other clinical and Para clinical sciences as pathology	Lecture Demonstration Discussion Presentation	Quizzes Midterm Exam Final Exam Oral Exam
a 3	Complete all the basic information which prepare them as dentist in the future, and enable them for postgraduate study.	Lecture Demonstration Discussion Presentation	Quizzes Midterm Exam Final Exam Oral Exam

a 4	Establish dentist with excellent information and skills of human anatomy able to compete others worldwide.	Lecture Demonstration Discussion Presentation	Quizzes Midterm Exam Final Exam Oral 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	Categorize structures and organs of different regions of human body.	Lectures Discussion Demonstrations	Quizzes Midterm Exam Final Exam Oral Exam Semester work
b2	Analyze the basic, surface and applied anatomy to solve clinical & Para clinical problems	Lectures Discussion Demonstrations	Quizzes Midterm Exam Final Exam Oral Exam Semester work
b3	Distinguish position, relation, blood supply and drainage, lymphatic and nerve supply of different organs and structures	Lectures Discussion Demonstrations	Quizzes Midterm Exam Final Exam Oral Exam Semester work
b4	Integrate with clinical problem according to site of injury	Lectures Discussion Demonstrations	Quizzes Midterm Exam Final Exam Oral Exam Semester work

**(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	Demonstrate relationship between the different structures and organs.	Demonstration Lab Sessions	Direct Observation Practical Exam
c2	Interpret the relationship between form and structures	Demonstration Lab Sessions	Direct Observation Practical Exam

	by applying comparative human anatomy in understanding the origin of blood and nerve supply		
c3	Prescribe relevance of bones, muscles, regions, contents, arteries, veins, nerves and lymphatic's of organs and structures and human body.	Demonstration Lab Sessions	Direct Observation Practical Exam
<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>
d 1	Inspect anatomical basis which requires to understand its physiology.	Lectures Discussion Brainstorming Debate	Research Homework Group work Direct observation
d 2	Evaluate the Para clinical points as operative, anesthesia and surgery.	Lectures Discussion Brainstorming Debate	Research Homework Group work Direct observation
d 3	Estimate the clinical& Para clinical problems.	Lectures Discussion Brainstorming Debate	Research Homework Group work Direct observation

#### IV. Course Contents:

##### A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Introduction to anatomy	Definitions, Anatomical positions, Planes of anatomy	1 <sup>ST</sup>	2	a 1,b1
2	Terminology of movement	Definitions of movements, anatomical terminology	2 <sup>nd</sup>	2	a 1,b1
3	Osteology	Types of bones Ossification	3 <sup>rd</sup>	2	a1-a4, b1-b4

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
4	Skeleton	Axial Skeleton	4 <sup>th</sup>	2	a1-a4, b1-b4
5	Skeleton	Appendicular Skeleton	5 <sup>th</sup>	2	a1-a4, b1-b4
6	Joints	Classification Examples (Fibrous, Cartilaginous)	6 <sup>th</sup>	2	a1-a4, b1-b4
7	Joints	Synovial ch.ch.,classification	7 <sup>th</sup>	2	a1-a4, b1-b4
8	<b>Midterm Exam</b>		8 <sup>th</sup>	2	a1-a4, b1-b4
9	Muscles	Classification Examples	9 <sup>th</sup>	2	a1-a4, b1-b4
10	Fascia	Types Sites	10 <sup>th</sup>	2	a1-a4, b1-b4
11	Cardiovascular system	Heart (external&internal configuration)	11 <sup>th</sup>	2	a1-a4, b1-b4
12	Cardiovascular system	Circulation Blood Vessels(Arteries& Veins	12 <sup>th</sup>	2	a1-a4, b1-b4
13	Respiratory system	Nose Larynx, trachea, Bronchi, bronchioles,alveoli Lungs,pleura,	13 <sup>th</sup>	2	a1-a4, b1-b4
14	Digestive system	Mouth, pharynx, esophagus,stomach, small intastine, large intestine,liver, pancreas, spleen	14 <sup>th</sup>	2	a1-a4, b1-b4
15	Nervous system	CNS,ANS,PNS	15 <sup>th</sup>	2	a1-a4, b1-b4
16	<b>Final Exam</b>		16 <sup>th</sup>	2	a1-a4, b1-b4
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>32</b>	

### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	<b>Introduction&amp; positions</b>	1 <sup>st</sup>	2	c1-c3
2	<b>Movements</b>	2 <sup>nd</sup>	2	c1-c3
3	<b>Bones</b>	3 <sup>rd</sup>	2	c1-c3
4	<b>Axial skeleton (skull)</b>	4 <sup>th</sup>	2	c1-c3
5	<b>Axial skeleton Vertebrae, thorax</b>	5 <sup>th</sup>	2	c1-c3
6	<b>Appendicular skeleton(upper limb)</b>	6 <sup>th</sup>	2	c1-c3
7	<b>Appendicular skeleton(lower limb)</b>	7 <sup>th</sup>	2	c1-c3
8	<b>Joints</b>	8 <sup>th</sup>	2	c1-c3

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
9	Joints	9 <sup>th</sup>	2	c1-c3
10	Muscles	10 <sup>th</sup>	2	c1-c3
11	Cardiovascular	11 <sup>th</sup>	2	c1-c3
12	respiratory	12 <sup>th</sup>	2	c1-c3
13	Digestive	13 <sup>th</sup>	2	c1-c3
14	Nervous	14 <sup>th</sup>	2	c1-c3
15	Practical Exam	15 <sup>th</sup>	2	c1-c3
<b>Number of Weeks /and Units Per Semester</b>		<b>15</b>	<b>30</b>	

### V. Teaching Strategies of the Course:

Lectures  
Demonstration  
Lab Sessions  
Discussion  
Brainstorming  
Debate

### VI. Assessment Methods of the Course:

Quizzes  
Midterm Exam  
Final Exam  
Practical Exam  
Oral Exam  
Semester work  
Direct Observation  
Research  
Homework  
Group work

### VII. Assignments:





No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Research and Group work	14 <sup>th</sup>	5	b1-b4, c1-c3,d1-d3
<b>Total</b>			<b>5</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	14 <sup>th</sup>	5	5%	b1-b4, c1-c3,d1-d3
2	Quizzes	4 <sup>th</sup>	5	5%	a1-a2
3	Midterm Exam	8 <sup>th</sup>	20	20%	a1-a4, b1-b4
4	Practical Exam	15 <sup>th</sup>	20	20%	c1-c3
5	Oral Exam	15 <sup>th</sup>	10	10%	a1-a4, b1-b4
6	Final Exam	16 <sup>th</sup>	40	40%	a1-a4, b1-b4
<b>Total</b>			<b>100</b>	<b>100%</b>	

### IX. Learning Resources:

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<b>1- Required Textbook(s) ( maximum two ):</b>
1- Standring, S., Borley, N. R., & Gray, H. (2008). Gray's anatomy: the anatomical basis of clinical practice. 40th ed., anniversary ed. [Edinburgh]: Churchill Livingstone/Elsevier
<b>2- Essential References:</b>
1- Elaine Marieb , Katja Hoehn . 2012. Human Anatomy & Physiology 9th Edition Pearson
<b>3- Electronic Materials and Web Sites etc.:</b>
<a href="https://onlinelibrary.wiley.com › journal of Anatomy">https://onlinelibrary.wiley.com › journal of Anatomy</a>

### 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.



Faculty of Dentistry

Department of Basic science

Doctor of Dental Surgery

Course Plan (Syllabus) of Anatomy I (General)

Course No. ( ----- )

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



## II. Course Identification and General Information:

1	Course Title:	Anatomy I (General)			
2	Course Code & Number:	----			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		3	2	--	2
4	Study Level/ Semester at which this Course is offered:	1st Level / 1st Semester			
5	Pre –Requisite (if any):	None			
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. Saleh Al-Dhaheri			

## III. Course Description:

Anatomy is one of the most important courses that requires the student to learn dentistry, which enables him to know a number of concepts and issues, the most important of which are: The history of morphological sciences, the structures of human body. This course is designed to provide the students with the needed knowledge in human anatomy needed to be applied at a later stage during their clinical training. The lecture topics include introduction to anatomy with study systems consisting human body and some applied comparative clinical anatomy in addition to all related structures of each region and its surface anatomy

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

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

	<b>A. Knowledge and Understanding:</b>
a1	Name all structures, components, systems, Regions, parts, organs, cavities of human body.
a2	Must know all and the enough knowledge and information of human anatomy about human body which needed to other clinical and Para clinical sciences as pathology
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b2	Analyze the basic, surface and applied anatomy to solve clinical problems
b3	Distinguish position, relation, blood supply and drainage, lymphatic's and nerve supply of different organs and structures
b4	Integrate with clinical problem according to site of injury
	<b>C. Professional and Practical Skills:</b>
c1	Demonstrate relationship between the different structures and organs.
c2	Interpret the relationship between form and structures by applying comparative human anatomy in understanding the origin of blood and nerve supply
c3	Prescribe relevance of bones, muscles, regions, contents, arteries, veins, nerves and lymphatic's of organs and structures and human body.
	<b>D. Transferable Skills:</b>
d1	Inspect anatomical basis which requires to understand its physiology.
d2	Evaluate the Para clinical points as operative, anesthesia and surgery.
d3	Estimate the clinical& Para clinical problems.



## V. Course Contents:

### A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Introduction to anatomy	Definitions, Anatomical positions, Planes of anatomy	1 <sup>st</sup>	2
2	Terminology of movement	Definitions of movements, anatomical terminology	2 <sup>nd</sup>	2
3	Osteology	Types of bones Ossification	3 <sup>rd</sup>	2
4	Skeleton	Axial Skeleton	4 <sup>th</sup>	2
5	Skeleton	Appendicular Skeleton	5 <sup>th</sup>	2
6	Joints	Classification Examples (Fibrous, Cartilaginous)	6 <sup>th</sup>	2
7	Joints	Synovial ch.ch.,classification	7 <sup>th</sup>	2
8	<b>Midterm Exam</b>		8 <sup>th</sup>	2
9	Muscles	Classification Examples	9 <sup>th</sup>	2
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11	Cardiovascular system	Heart (external&internal configuration)	11 <sup>th</sup>	2
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13	Respiratory system	Nose Larynx, trachea, Bronchi, bronchioles,alveoli Lungs,pleura,	13 <sup>th</sup>	2
14	Digestive system	Mouth, pharynx, esophagus,stomach, small intastine, large intestine,liver, pancreas, spleen	14 <sup>th</sup>	2
15	Nervous system	CNS,ANS,PNS	15 <sup>th</sup>	2
16	<b>Final Exam</b>		16 <sup>th</sup>	2
<b>Number of Weeks /and Units Per Semester</b>			<b>16</b>	<b>32</b>

### B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours
1	<b>Introduction&amp; positions</b>	1 <sup>st</sup>	2
2	<b>Movements</b>	2 <sup>nd</sup>	2
3	<b>Bones</b>	3 <sup>rd</sup>	2
4	<b>Axial skeleton (skull)</b>	4 <sup>th</sup>	
5	<b>Axial skeleton Vertebrae, thorax</b>	5 <sup>th</sup>	

<b>B. Case Studies and Practical Aspect:</b>			
No.	Tasks/ Experiments	Week Due	Contact Hours
6	Appendicular skeleton(upper limb)	6 <sup>th</sup>	2
7	Appendicular skeleton(lower limb)	7 <sup>th</sup>	2
8	Joints	8 <sup>th</sup>	2
9	Joints	9 <sup>th</sup>	2
10	Muscles	10 <sup>th</sup>	2
11	Cardiovascular	11 <sup>th</sup>	2
12	respiratory	12 <sup>th</sup>	2
13	Digestive	13 <sup>th</sup>	2
14	Nervous	14 <sup>th</sup>	2
15	Practical Exam	15 <sup>th</sup>	2
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### VI. Teaching Strategies of the Course:

Lectures  
Demonstration  
Lab Sessions  
Discussion  
Brainstorming  
Debate

### VII. Assessment Methods of the Course:

Quizzes  
Midterm Exam  
Final Exam  
Practical Exam  
Oral Exam  
Semester work  
Direct Observation  
Research  
Homework  
Group work



### VIII. Assignments:

No.	Assignments	Week Due	Mark
1	Research and Group work	14th	5
<b>Total</b>			<b>5</b>

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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Assignments	14 <sup>th</sup>	5	5%
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<b>Total</b>			<b>100</b>	<b>100%</b>

### X. Learning Resources:

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

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