Republic of Yemen

Ministry of Higher Education & Scientific Research
Emirates International University



Faculty of Dentistry

Department of Oral Surgery

Program of Doctor of Dental Surgery

Course Specification of
Anatomy II (Head and Neck)
Course No. (-----)

EMIRATES

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Review committee:

lead of the Department

Quality Assurance head

Dean of Faculty





I	. Course Identification and Gene	eral In	formati	on:	
1	Course Title:	Anatom	y II (Head	and Neck)	
2	Course Code & Number:				
		Credit Theory Hours			Lab.
3	Credit Hours:	Hours	Lecture	Exercise	Hours
		4 3		2	
4	Study Level/ Semester at which this Course is offered:	1 st Lev	el / 2 nd Sen	nester	
5	Pre -Requisite (if any):	Anatomy I (General)			
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. Sale	h Al-Dhahe	ri	

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 head& neck anatomy needed to be applied at a later stage during their clinical training. The lecture topics include skull, muscles, nerves, blood supply of face and brain and cranial cavity with structures of neck region and cranial nerves and some applied comparative clinical anatomy in addition to all related structures of head& neck region and its surface anatomy





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III. Course Intended Learning Outcomes (CILOs): (maximum 8) Upon successful completion of the

Referenced PILOs

Upon successful completion of the course, students will be able to:

Learning out of program

	course, students will be able to:		arining out of program
	A. Knowledge and Understanding:	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. Intellectual Skills:		
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
b 3	Distinguish position, relation, blood supply and drainage, lymphatic's and nerve supply of different organs and structures		B1
b 4	Integrate with clinical problem according to site of injury		B2
	C. Professional and Practical Skills:		
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





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c3	Prescribe relevance of bones, muscles, regions, contents, arteries, veins, nerves and lymphatic's of organs and structures and human body.		C1,C2
	D. Transferable Skills:		
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

	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
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
	(B) Alignment of Course Intend Strategies and Assessment Met	ded Learning Outcomes (Intellec	ctual Skills) to Teaching
	Course Intended Learning	Teaching Strategies	Assessment Strategies



	Outcomes		
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's 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 Intend Skills) to Teaching Strategies ar		fessional and Practical
	Course Intended Learning	Teaching Strategies	Assessment Strategies

	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 by applying comparative human anatomy in understanding the origin of blood and nerve supply	Demonstration Lab Sessions	Direct Observation Practical Exam
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

(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to





	Teaching Strategies and Assess	sment Methods:	
	Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
d 1	Inspect anatomical basis which requires to understand its	Lectures	Research
	physiology.	Discussion	Homework
	projectogj.	Brainstorming	Group work
		Debate	Direct observation
d 2	Evaluate the Para clinical	Lectures	Research
	points as operative, anesthesia and surgery.	Discussion	Homework
	and surgery.	Brainstorming	Group work
		Debate	Direct observation
d 3	Estimate the clinical& Para	Lectures	Research
	clinical problems.	Discussion	Homework
		Brainstorming	Group work
		Debate	Direct observation

IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Skull	Bones(features), Different views(above, anterior or frontalis, lateral, below or basalis)	1 ST	3	a1-a4, b2- b4
2	Cranial Cavity Specific Fossae	Boundaries, Divisions, Parts, Different Fossae, Contents, Foramina& structures pass through each one Infratemporal, Pterygopalatine, Sphenopalatine	2 nd	3	al-a4, b2- b4
3	Scalp	Layers, Blood supply, innervations	3 rd	3	a1-a4, b2- b4
4	Facial Muscles	Expression& Mastication (Origin, insertion, action, innervations, blood supply)	4 th	3	a1-a4, b2- b4
5	Orbital Cavity, Nasal Cavity& Oral Cavity	Boundaries, Walls, Contents	5 th	3	a1-a4, b2- b4
6	Meninges& Dura	Parts, Divisions, Layers	6 th	3	a1-a4, b2-





No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcome (CILOs)
	mater Folds				
7	Sinuses of Cranial Cavity	Direction, Parts, Divisions	7 th	3	a1-a4, b2 b4
8	Midterm exam		8 th	3	a1-a4, b2
9	Major Blood Facial vessels	Ophthalmic, Maxillary, Facial(Branches, area supplied, origin, direction)	9 th	3	a1-a4, b2 b4
10	Major Facial Nerves	Trigeminal (Ophthalmic, Maxillary, Mandibular) Facial (Origin, Branches, Direction)	10 th	3	a1-a4, b2 b4
11	Neck, Cervical Vertebrae, Hyoid Bone and blood vesseles	Structure, Boundaries, Contents (Features, Parts) Arteries, Veins, Nerves	11 th	3	a1-a4, b2 b4
12	Suprahyoid& Infrahyoid muscles Muscles of Swallowing	(Origin, insertion, action, innervations, blood supply)	12 th	3	a1-a4, b2 b4
13	Anterior Neck Triangle and Posterior Neck Triangle	Division, Parts, Boundaries, Contents	13 th	3	al-a4, b2 b4
14	Thyroid Gland, Pharynx& Larynx	Structure, Blood& nerve supply Structure, Cartilages, Parts, Contents, blood supply, venous drainage, innervations	14 th	3	a1-a4, b2 b4
15	Cranial Nerves	Origin, Direction, Branches	15th	3	a1-a4, b2 b4
16	Final exam		16th	3	a1-a4, b2
	Number of Weel	ks /and Units Per Semester	16	-48	





B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	Skull	1 st	2	c1-c3
2	Skull	2 nd	2	c1-c3
3	Cranial cavity	3 rd	2	c1-c3
4	Facial Muscles& scalp	4 th	2	c1-c3
5	Orbital, Nasal, oral	5 th	2	c1-c3
6	Meninges, sinuses &dura mater folds	6 th	2	c1-c3
7	Facial vessels & nerves	7 th	2	c1-c3
8	Basal brain circulation& sinuses of cranial cavity	8 th	2	c1-c3
9	Suprahyoid& Infrahyoid muscles, Muscles of Swallowing	9 th	2	c1-c3
10	Anterior neck triangles& contents	10 th	2	c1-c3
11	Posterior neck triangles, contents & Cervical vertebrae	11 th	2	c1-c3
12	Thyroid Gland, Pharynx& Larynx	12 th	2	c1-c3
13	Median Sagital section of head& neck	13 th	2	c1-c3
14	Cranial Nerves& spinal cord	14 th	2	c1-c3
15	Practical exam	15 th	2	c1-c3
	Number of Weeks /and Units Per Semester	15	30	

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

Assignments week due wark (symbols)	No.	Aggigneranta			Aligned CILOs
1410	110.	Assignments	Week Due	Mark	
	1	Research and Group work	14 th	5	b1-b4, c1-c3, d1 d3

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Assignments	14 th	5	5%	b1-b4, c1-c3, d1- d3
2	Quizzes 1	4 th	5	5%	a1-a4, b1-b4
3	Midterm Exam	8 th	20	20%	al-a4, b1-b4
4	Practical Exam	15 th	20	20%	c1-c3
5	Oral Exam	15 th	10	10%	al-a4, b1-b4
6	Final Exam	16 th	40	40%	a1-a4, b1-b4
	Total		100	100%	

IX. Learning Resources:

- 1- Required Textbook(s) (maximum two):
 - 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
- 2- Essential References:





1- Hamilton, W. J. (et al.). 2001, Hamilton's textbook of basic anatomy, 6th edition.

3- Electronic Materials and Web Sites etc.:

https://onlinelibrary.wiley.com > journal of Anatomy

	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 Basic science

Program of Doctor of Dental Surgery

Course Plan (Syllabus) of Anatomy II (Head and Neck)

Course No. (-----)

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







1	I. Course Identification and Gen	eral In	nformat	ion:		
1	Course Title:	Anatomy II (Head and Neck)				
2	Course Code & Number:					
2		Credit Theory Hours			Lab.	
3	Credit Hours:	Hours	Lecture	Exercise	Hours	
		4	3		2	
4	Study Level/ Semester at which this Course is offered:	1st Level/2nd Semester				
5	Pre –Requisite (if any):	Anatomy I (General)				
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	of Dentistry			
12	Prepared by:	Dr. Salel	h Al-Dhahei	ri		

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 head& neck anatomy needed to be applied at a later stage during their clinical training. The lecture topics include skull, muscles, nerves, blood supply of face and brain and cranial cavity with structures of neck region and cranial nerves and some applied comparative clinical anatomy in addition to all related structures of head& neck region and its surface anatomy





	IV. Course Intended Learning Outcomes (CILOs): Upon successful completion of the Course, student will be able to:
	A. Knowledge and Understanding:
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
a3	Complete all the basic information which prepare them as dentist in the future, and enable them for postgraduate study.
a4	Establish dentist with excellent information and skills of human anatomy able to compete others worldwide.
	B. Intellectual Skills:
b1	Categorize structures and organs of different regions of human body.
b2	Analyze the basic, surface and applied anatomy to solve clinical problems
b 3	Distinguish position, relation, blood supply and drainage, lymphatic's and nerve supply of different organs and structures
b 4	Integrate with clinical problem according to site of injury
	C. Professional and Practical Skills:
c1	Demonstrate relationship between the different structures and organs.
c 2	Interpret the relationship between form and structures by applying comparative human anatomy in understanding the origin of blood and nerve supply
c 3	Prescribe relevance of bones, muscles, regions, contents, arteries, veins, nerves and lymphatic's of organs and structures and human body.
	D. Transferable Skills:
d 1	Inspect anatomical basis which requires to understand its physiology.
12	Evaluate the Para clinical points as operative, anesthesia and surgery.
13	Estimate the clinical& para clinical problems.



V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contac Hours
1	Skull	Bones(features), Different views(above, anterior or frontalis, lateral, below or basalis)	1 ST	3
2	Cranial Cavity Specific Fossae	Boundaries, Divisions, Parts, Different Fossae, Contents, Foramina& structures pass through each one Infratemporal, Pterygopalatine, Sphenopalatine	2 nd	3
3	Scalp	Layers, Blood supply, innervations	3 rd	3
4	Facial Muscles	Expression& Mastication (Origin, insertion, action, innervations, blood supply)	4 th	3
5	Orbital Cavity, Nasal Cavity& Oral Cavity	Boundaries, Walls, Contents	5 th	3
6	Meninges& Dura mater Folds	Parts, Divisions, Layers	6 th	3
7	Sinuses of Cranial Cavity	Direction, Parts, Divisions	7 th	3
8	Midterm exam		8 th	3
9	Major Blood Facial vessels	Ophthalmic, Maxillary, Facial(Branches, area supplied, origin, direction)	9 th	3
10	Major Facial Nerves	Trigeminal (Ophthalmic, Maxillary, Mandibular) Facial (Origin, Branches, Direction)	10 th	3
11	Neck, Cervical Vertebrae, Hyoid Bone and blood vesseles	Structure, Boundaries, Contents (Features, Parts) Arteries, Veins, Nerves	11 th	3
12	Suprahyoid& Infrahyoid muscles	(Origin, insertion, action, innervations, blood supply)	12 th	3





V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
	Muscles of Swallowing			
13	Anterior Neck Triangle and Posterior Neck Triangle	Division, Parts, Boundaries, Contents	13 th	3
14	Thyroid Gland, Pharynx& Larynx	Structure, Blood& nerve supply Structure, Cartilages, Parts, Contents, blood supply, venous drainage, innervations	14 th	3
15	Cranial Nerves	Origin, Direction, Branches	15th	3
16	Final exam		16th	3
	Number of W	eeks /and Units Per Semester	16	32

No.	Tasks/ Experiments	Week Due	Contact Hours
1	Skull	1 st	2
2	Skull	2 nd	2
3	Cranial cavity	3 rd	2
4	Facial Muscles& scalp	4 th	2
5	Orbital, Nasal, oral	5 th	2
6	Meninges, sinuses &dura mater folds	6 th	2
7	Facial vessels & nerves	7 th	2
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11	Posterior neck triangles, contents & Cervical vertebrae	11 th	2
12	Thyroid Gland, Pharynx& Larynx	12 th	2
13	Median Sagital section of head& neck	13 th	2
14	Cranial Nerves& spinal cord	14 th	2





B.	Case Studies and Practical Aspect:		
No.	Tasks/ Experiments	Week Due	Contact Hours
15	Practical exam	15 th	2
	Number of Weeks /and Units Per Semester	15	30

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

No.	Assignments	Week Due	Mark
1	Research and Group work	14th	5





IX.	Schedule	of Assessment	Tasks	for	Students	During th	e Semester:
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No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Assignments	14 th	5	5%
2	Quizzes 1	4 th	5	5%
3	Midterm Exam	8 th	20	20%
4	Practical Exam	15 th	20	20%
5	Oral Exam	15 th	10	10%
6	Final Exam	16 th	40	40%
	Total		100	100%

X. Learning Resources:

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

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

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