جامعة المجمعة
Majmaah University

Course Specifications

Institution:	College of Dentistry
Academic Department :	Maxillofacial surgery and Diagnostic sciences [MDS]
Programme :	Bachelor of Dentistry [BDS]
Course :	Oral Biology
Course Coordinator :	Dr. Saleem Shaikh
Programme Coordinator :	Dr. Abdul Rahman Al atram
Course Specification Approved Date :	16/11/ 1435H

This form compatible with NCAAA 2013 Edition

A. Course Identification and General Information

1 - Course title :	: Oral Pathology Course Code: MDS 113
2. Credit hours :	1 hr per week in 1st semester - 2 hrs per week in 2nd semester
3 - Program(s) in which the course is offered:	.....
4 – Course Language :	English
5 - Name of faculty member responsible for the course:	**Dr. Saleem Shaikh**
6 - Level/year at which this course is offered :	1st Year 1st & 2nd Semester
7 - Pre-requisites for this course (if any) :	•
8 - Co-requisites for this course (if any) :	• **None**
9 - Location if not on main campus :	(.....)

10 - Mode of Instruction (mark all that apply)

A - Traditional classroom	√	What percentage?	**100 %**
B - Blended (traditional and online)		What percentage?	**……. %**
D - e-learning		What percentage?	**……. %**
E - Correspondence		What percentage?	**……. %**
F - Other		What percentage?	**……. %**

Comments :

Lectures are uploaded online and practicals are conducted in the lab

B Objectives

What is the main purpose for this course?

The students will be able to understand

1. To learn how the jaws, face and oral structures develop and interact during embryogenesis.
2. To acquire the comprehensive knowledge related to the different stages of tooth development including development of enamel, dentine-pulp system and periodontium.
3. To recognize the role of deciduous teeth and their structures in the development of permanent teeth.
4. To recognize the importance of reciprocal tissue interaction in tooth development.
5. To study the structure of dental, oral and relevant extraoral tissues in-depth.
6. To identify the significance of studying oral and maxillofacial histology for clinical dental practice.
7. To recognize how learning normal tissue structures is important for micro- and macroscopic identification of abnormal pathological conditions.

Briefly describe any plans for developing and improving the course that are

being implemented :

The course will be taken with the help of power point and videos. In addition Increased use of audiovisual aids like models, presentation and pictures would be recommended. Projecting microscopic slides on a screen using a camera to explain the various tissues of teeth.

C. Course Description

It is a one-year course, given as a one hour lecture in the 1st semester and one lecture and one practical session in the 2nd semester of the same year. Oral Biology course comprises instructions in the principles of oral anatomy and embryology, oral histology, and oral Physiology.

Oral biology is one of the most important courses in dentistry. Development of face, oral cavity and related structures is covered in this course, this course covers in detail the formation and structure of all the tissues of the tooth; namely Enamel, Dentin, Pulp and Cementum. In addition this course also covers the supporting tissues of the teeth like periodontal ligament, alveolar bone, salivary glands and maxillary sinus.

The fields of oral biology, oral embryology and oral histology are of utmost importance in the study of dental practice. This basic knowledge about the normal structure and formation of the various structures of the maxillofacial region is very important to understand the pathogenesis of various diseases and their treatment.

.

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
Oral Biology Introduction	1	1
Early development & Germ layers	1	1
Notochord	1	1
Pharyngeal Arches	1	1
Development of Face	2	2
Development of Tongue & Palate	1	1
Development of Tooth	2	2
Amelogenesis and life cycle of ameloblasts	1	1
Enamel	2	2
Differences between deciduous and permanent teeth	1	1
Dentinogenesis & Dentin	1	1

Dentin	1	1
Dental pulp	1	1
Cementum	1	1
Periodontal ligament	1	1
Alveolar bone	1	1
Oral mucous membrane	3	3
Salivary gland	2	2
Eruption and shedding:	1	1
Maxillary sinus	1	1

2. Course components (total contact hours and credits per semester):

Semester 1

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	**15**	.....	.....	**00**	.....	15
Credit	**15**	.....	.....	**00**	.....	15

Semester 2

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	**15**	.....	.....	**45**	.....	60
Credit	**15**	.....	.....	**15**	.....	30

3. Additional private study/learning hours expected for students per week.

3

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	**Knowledge**		
1.1	The students will be able to know the tissues that make up the tooth, their properties and applied aspects	Lectures, demonstrations	Written examination, Quiz
1.2	Knowledge of the terminology used	Lectures, demonstrations,	Written examination, Quiz, practical examination
1.3	Should have a detailed understanding of the surrounding tissues like bone, mucous membrane, salivary gland.	Lectures, demonstrations	Written examination, Quiz, practical examination
1.4	Should understand the structure, function and interrelationship of the oral tissues.	Lectures, demonstrations	Written examination, Quiz, practical examination
2.0	**Cognitive Skills**		
2.1	Students should be able to define, describe all the various structures	Lectures, group discussions, practicals	Written examination, Quiz, practical examination
2.2	Students should be able to paraphrase the topic learned.	Lectures, group discussions, practicals	Written examination, Quiz, practical examination
2.3	Summarise the lengthy topics.	Lectures, group discussions, practicals	Written examination, Quiz, practical examination
3.0	**Interpersonal Skills & Responsibility**		
3.1	Should learn to take manage a group task and work with others	Students will be divided into small groups and tasks will be assigned to the group	The group task will be supervised closely to evaluate the work done by each student

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
		Part of some lectures will be specified for group discussions.	
4.0	**Communication, Information Technology, Numerical**		
4.1	The students should use medical terminology in English, verbally	Seminar presentation	Seminar evaluation
4.2	The students should refer to the text book as well as internet web sites for their more information.	Research and group discussions	Written examination and research presentation
5.0	**Psychomotor**		
5.1			
5.2			

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

	Assessment task	Week Due	Proportion of Total Assessment
1	Quiz and seminar	.....	10%
2	General Assessment	14th	10%
3	Mid term	7th	30%
4	Oral Exam	14th	10%
5	Practical exam (final term)	14th	10%
6	Theory exam (final term)	14th	30%
7	.....	.....	.....
8	.....	.....	.....

D. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice: Office hours Tue: 10:00 to 12:00 noon Wed: 11:00 to 1:00 pm

E. Learning Resources

1. List Required Textbooks : **Orbans Oral Histology & Embryology; 13th Edition. Author - G. S. Kumar; Publisher - Elsevier**
2. List Essential References Materials : **Tencate's Oral Histology Author - Antonio Nanci; Publisher – Elsevier** •
3. List Recommended Textbooks and Reference Material : Essentials of Oral Histology and Embryology – A clinical approach Author – James Avery; publisher - Elsevier
4. List Electronic Materials : • ..... • .....
5. Other learning material : • ..... • ..... • .....

F. Facilities Required

1. Accommodation

- A class room with a seating capacity of 30 students
- A spacious laboratory for practical

2. Computing resources

- One computer in the classroom,
- Projector.
- Smart board.
- Data show Projector.
- Smart board.
- Data show

3. Other resources

- Microscopes
- Microscopic slides
- Soft tissues specimens and casts

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- The students will be given a feedback form, which can be submitted to the course director or to the dean which will help in improvement of the subject teaching

2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor :

- The head of the department or the Dean has informal meetings with groups of students to discuss the contents of the course, method of teaching to evaluate the course and the instructor.
- The dean randomly attends lectures to assess the instructor. The power point presentation of each lecture is distributed to all the staff members of the department for evaluation and suggestions for improvement

3 Processes for Improvement of Teaching :

- Teachers will be subjected to go for up gradation of knowledge by attending the relevant conferences and will be encouraged to carry on a self improvement

4. Processes for Verifying Standards of Student Achievement

Other staff members are invited to attend the seminar presentation of students to verify the standards of student learning and their work.

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :

- Meetings will be conducted every week in the department to update the status of each student and the difficulties felt by the colleague will be resolved accordingly.

Course Specification Approved
Department Official Meeting No (1) Date 16 / 11 / 1435 *H*

Course's Coordinator		Department Head	
Name :	Dr. Saleem Shaikh	***Name :***	.....
Signature :	.....	***Signature :***	.....
Date :	…./ … / …… *H*	***Date :***	…./ … / …… *H*