



Course Specifications

Institution:	College of Dentistry
Academic Department :	Restorative Dental Sciences [RDS]
Programme :	Bachelor of Dentistry [BDS]
Course :	Dental Morphology
Course Coordinator :	Dr. Saleem Shaikh
Programme Coordinator :	Dr Abdulrahman Alatram
Course Specification Approved Date :	21/ 12 / 1435 H



A. Course Identification and General Information

1 - Course title :	Dental Morphology	Course Code:	111RDS
2. Credit hours :	2		
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 Semester		
7 - Pre-requisites for this course (if any) :	<ul style="list-style-type: none"> • None 		
8 - Co-requisites for this course (if any) :	<ul style="list-style-type: none"> • None 		
9 - Location if not on main campus :	(.....)		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	100 %
B - Blended (traditional and online)	<input type="checkbox"/>	What percentage? %
D - e-learning	<input type="checkbox"/>	What percentage? %
E - Correspondence	<input type="checkbox"/>	What percentage? %
F - Other	<input type="checkbox"/>	What percentage? %
Comments :	Lectures are uploaded online and practicals are conducted in the lab		

B Objectives

<p>What is the main purpose for this course?</p> <p>To know all the different types of teeth, identify and carve them</p> <p>Briefly describe any plans for developing and improving the course that are being implemented :</p> <p>Include more time for group discussions</p> <p>Show videos to explain the morphology and carving techniques</p>
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C. Course Description

This is a one semester course designed to provide the student with the basic elements of tooth morphology as an essential pre-requisite for other courses. The course comprises lectures and clinical simulation sessions using wax; students restore the missing coronal surfaces of complete tooth models by a wax carving technique. This is designed to reinforce the theoretical knowledge gained in the lectures, as well as contribute towards the development of manual dexterity, a skill which is essential in the practice of dentistry. Identification of natural tooth specimens forms a significant part of the practical component of the course.

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
Introduction to Dental Morphology	1	1
Dental terminology of permanent Dentition	1	1
Descriptive Anatomy of Maxillary Permanent Incisors	1	1
Tooth anatomy and Notation	1	1
Descriptive Anatomy of mandibular Permanent Incisors	1	1
Descriptive Anatomy of Maxillary Canine	1	1
Descriptive Anatomy of Mandibular Canine	1	1
Descriptive Anatomy of Maxillary Premolars	1	1
Descriptive Anatomy of Mandibular Premolars	1	1
Descriptive Anatomy of Maxillary permanent molars	2	2
Descriptive Anatomy of Mandibular permanent molars	2	2
Difference between deciduous and permanent dentition	1	1

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

	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.

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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	Basic knowledge regarding the teeth and terminology.	Lectures, demonstrations	Written examination, Quiz
1.2	Knowledge of the anatomy of all teeth	Lectures, demonstrations, practicals	Written examination, Quiz, practical examination
1.3	Notation systems used in dentistry	Lectures, demonstrations	Written examination, Quiz, practical examination
1.4	Application of anatomy to identify the teeth	Lectures, demonstrations	Written examination, Quiz, practical examination
1.5	An understanding of the pulpal structure of individual teeth	Lectures	Written examination
1.6	Appreciate the difference between deciduous and permanent teeth	Lectures, Practicals	Written examination, Quiz, practical examination
2.0	Cognitive Skills		
2.1	Students should be able to define, describe all the various traits of teeth	Lectures, group discussions, practicals	Written examination, Quiz, practical examination
2.2	Should know the importance of the morphology of teeth and its clinical importance	Lectures, group discussions, practicals	Written examination, Quiz, practical examination
2.3	Should be able to differentiate between primary and permanent teeth	Lectures, group discussions, practicals	Written examination, Quiz, practical examination





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
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
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	The students should be able to carve the tooth morphology in wax	Model demonstration; Practice during lab hours.	Weekly assessment; practical examination
5.2	Replace missing tooth surfaces with wax	Model demonstration; Practice during lab hours.	Weekly assessment; practical examination

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

	Assessment task	Week Due	Proportion of Total Assessment
1	Home work, presentation, research	.....	5%
2	Midterm Exam	7 th	35%
3	Final Exam	14 th	40%
4	Behavior	14 th	5%
5	Weekly practical assessment	15%
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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 :

Wheeler's Dental anatomy, Physiology and Occlusion ; 9th Edition.

Author – Nelson, Ash; Publisher - Elsevier

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2. List Essential References Materials :

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3. List Recommended Textbooks and Reference Material :

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4. List Electronic Materials :

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5. Other learning material :

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F. Facilities Required

1. Accommodation

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

2. Computing resources

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

3. Other resources

- Carving wax blocks
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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 (.....) Date ... / / *H*

Course's Coordinator

Name :
Signature :
Date : .../ ... / *H*

Department Head

Name :
Signature :
Date : .../ ... / *H*

