



Course Specifications

Institution:	college of Dentistry.
Academic Department :	Oral Maxillofacial Surgery And Diagnostic Science
Programme :	Bachelor of Dentistry
Course :	...MDS 223–Oral Radiology
Course Coordinator :	..Mohammed Malik Afroz..
Programme Coordinator :	Dr Abdul Rahman Al Atram
Course Specification Approved Date :	16./ 11/1435H



A. Course Identification and General Information

1 - Course title :	1 –Oral Radiology	Course Code:	....MDS 223..
2. Credit hours :	(.....2.....)		
3 - Program(s) in which the course is offered:	.. Theory And Practical....		
4 – Course Language :	.....English.....		
5 - Name of faculty member responsible for the course:	.Mohd Malik Afroz.		
6 - Level/year at which this course is offered :	Level – 3 and 4/2 nd Year		
7 - Pre-requisites for this course (if any) :	<ul style="list-style-type: none"> • ... 113 ANA; 113 PSL; 		
8 - Co-requisites for this course (if any) :	<ul style="list-style-type: none"> • 		
9 - Location if not on main campus :	(Zulfi)		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	...60... %
B - Blended (traditional and online)	<input checked="" type="checkbox"/>	What percentage?	...20... %
D - e-learning	<input checked="" type="checkbox"/>	What percentage?	...10... %
E - Correspondence	<input type="checkbox"/>	What percentage? %
F - Other	<input checked="" type="checkbox"/>	What percentage?	...10... %
Comments :	. Pre clinical radiology.....		

B Objectives

What is the main purpose for this course?

1. To make the students know the basic of radiology.
2. To make the students understand the need to protect themselves, patient and the society at large from unnecessary exposure to radiation.
3. To make the students understand the disadvantages and advantages of radiation not only in the field of medicine but also otherwise
4. To make the students understand the procedures for taking a diagnostic radiograph





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

Students will be trained about the use and hazards of radiation to make them understand the need for least radiation exposure for the patients and to themselves

C. Course Description

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
Schedule / Introduction to Radiology	.1	1
Radiation Physics – 1	1	.1.
Radiation Physics – 2	.1.....	.1.....
Radiation Biology – 1	.1.....	.1.....
Radiation Biology – 2	.1.....	.1.....
Health Physics – 1	.1.....	.1.....
Infection Control In Radiology	.1.....	.1.....
X Ray Films	.1.....	.1.....
Projection Geometry	.1.....	.1.....
Processing of X Ray Films	1	1
Digital Radiography – 1	1	1
Digital Radiography – 2	1	1
Intensifying Screens and Grids	1	1
Image Characteristics	1	1

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

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	.....14.....	.....	42	.....	.....	56
Credit	....14.....		14	.....	.....	28

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

.....2....



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	Students will be shown power point presentations and quiz. During the practical's students will be shown x ray machine and its components	Textbook, discussion, websites and audiovisual.	Written exams, Questioning, Review test, performance notice, and class Participation...
2.0	Cognitive Skills		
2.1	Use of more teaching aids during classes with special emphasis on the applied aspects of the structures, impromptu questions asked during the class would also aid in developing cognitive skills. In addition we would design quizzes and assignments in such a way that the students would have to correlate the various topics and information given to them.	Textbooks, websites, seminars, Handouts...	Exams by written and oral quizzes. Questioning, Review test, performance notice.
3.0	Interpersonal Skills & Responsibility		
3.1	The students will be asked oral questions, debates, group discussions group tasks will be designed so that the students learn to interact with their batch mates. In addition project work will be assigned to small groups so that they learn to take up the responsibility and complete it.	Eye to eye contacts and group works	Group discussions and taking of radiographs and assigned readings





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
4.0	Communication, Information Technology, Numerical		
4.1	Teaching courses in English which will require reading, writing, and oral presentation. Give the students basic information on how to effectively use the available search engines and software's. Encourage their active participation during classes and discussions	By using attractive Audiovisual Aids. Justifications and brief descriptions.	By allowing students to put their effort in questions framing for different patients.
5.0	Psychomotor		
5.1	. Students will be trained to arrange the x ray machine individually to take appropriate radiographs and also arrange the required x ray film while taking radiographs. Students will be trained to develop and visualize their radiographs independently	By giving them clinical manual and relevant demonstrations	Based on they following the relevant guidelines discussed during clinical hours and as mentioned in clinical manual

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

	Assessment task	Week Due	Proportion of Total Assessment
1	Behavior/ attitude Assessment	.....	5%
2	Home Work	5 th week	1%
3	Presentation	every ..week	1%
4	Quiz	3 rd Week	1%
5	Research Critique	7 th Week	2%





6	Midterm Exam Theory	6 th Week	20%
7	Final Theory Exam	12 th Week	25%
	Practical	.....
1	Weekly Practical assessment	Every Week	10%
2	Midterm Practical Exam	6 th Week	10%
3	Oral Exam	12 th Week	10%
4	Final Exam	12 th Week	15%

D. Student Academic Counseling and Support

Attendance: Most, but not all, of the material covered in the lectures can be found in the text book. However you must attend lectures and take good notes to appreciate what has been covered. During your attendance the lectures try to participate in class discussions, ask questions and record the careful notes.

Late assignments: All assignments are due at the beginning of class. Late assignments will receive a penalty of one grade step if they are handed in less than one day (24 hours) late. Your assignments will receive an additional grade step deduction for each day they are late (assignments that are between 24 and 48 hours late will receive a penalty of two grade steps. This includes weekends and holidays. No assignments will be accepted after they are one week late. Hard copies of late assignments must be turned into my office. You should also email me a copy to verify the time at which it was completed.

Academic honesty: College policies on academic honesty apply to this course. All work is to be done on an individual basis, and collaboration is not permitted. You may have someone who is not enrolled in this course proofread your papers for clarity, but you may not seek outside help regarding your paper's content. You will be required to submit a signed copy of the College honor pledge with your short paper and your final paper.

Discussion: Since this course is discussion-based, your active participation is required. Take careful notes, read required materials before and after class and don't let your reading pile up. In order to promote open and meaningful discussion, it is important to maintain an atmosphere in which everyone feels respected and comfortable sharing ideas and opinions. Remember to avoid interrupting your classmates and do not attack them personally. Be critical of arguments, not of individuals. If you ever are feeling uncomfortable in discussion, please come talk to me.





E. Learning Resources

1. List Required Textbooks : <ul style="list-style-type: none">• Oral radiology – Principles and Interpretation.• Stuart C White and Michael W pharaoh - Authors ...•Edition 2013.....
2. List Essential References Materials : <ul style="list-style-type: none">•Essentials of radiology..... • .....Langland And Langlais.....• ditionE 2013.....
3. List Recommended Textbooks and Reference Material : <ul style="list-style-type: none">• Textbook of Radiography• Eric Whaites
4. List Electronic Materials : <ul style="list-style-type: none">• Textbook prepared by course director• Video for radiographic procedure• Presentations
5. Other learning material : <ul style="list-style-type: none">•

F. Facilities Required

1. Accommodation <ul style="list-style-type: none">• Intra oral x ray films for recording the information• Modern class rooms with internet connection and smart board facility
2. Computing resources <ul style="list-style-type: none">• Laptop• Smart Board
3. Other resources <ul style="list-style-type: none">• Radiographic technique demonstrations••





G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- Using questioners as an evaluation tools

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

- Assess the teacher's abilities and potentials by using evolutionary tools which are fulfil the reliable, unambiguous, measurable, achievable criteria's.

3. Processes for Improvement of Teaching :

- In service educational process means of updating the recent trends in educational process, involving in research

4. Processes for Verifying Standards of Student Achievement

- By using evaluation tools and skill assessment

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

- Prepare work sheet for review; refresh the previous knowledge, and panel discussions.

Course Specification Approved

Department Official Meeting No (1) Date 16 / 11 / 1435 H

Course's Coordinator

Name : Mohammed malik ...
.afroz

Signature :

Date : .../.../.... H

Department Head

Name : Khairallah ...
.Moutaz

Signature :

Date : .../ ... / H

