

Course Specification Student Version

Course Title:	Oral and Maxillofacial Radiology - 2
Course Code:	DDC 421
Department:	Dentistry
Program:	Bachelor of Dentistry
College:	Vision College in Riyadh
Institution:	Vision College in Riyadh
Revised:	July 2025

A. Course Identification

1. Credit hours: 2 (1+0+1)
2. Level/year at which this course is offered: Level 7/Year 3
3. Pre-requisites for this course (if any): DDC 321
4. Co-requisites for this course (if any): None

B. Teaching Methods

1	Lecture
2	Clinical Session - Case-Based Learning (CBL)
3	Seminars

C. Course Description and Objectives

1. Course Description

This course offers in-depth exploration of radiology techniques and their applications to oral and maxillofacial disorders. Students will learn to interpret radiographic images, identify developmental anomalies and pathological lesions and formulate differential diagnosis.

2. Course Main Objective

At the end of this course, students will be able to:

- Identify the different types of radiographic techniques used in oral & maxillofacial regions.
- Analyze the panoramic radiograph and interpret the abnormal findings.
- Compare the radiographic features of cysts, benign & malignant tumors and other important bone lesions of jaws.

3. Course Objectives

By the end of this course, students should be able to:

- Identify the principles and techniques of extraoral radiography, including panoramic and occlusal radiography.
- Explain common errors in panoramic radiography.
- Describe anatomical landmarks of panoramic radiographs.
- Enumerate the radiographic features of various types of cysts, cyst-like lesions, benign & malignant tumors and bone diseases.
- Discuss different types of imaging used for TMJ along with the radiographic changes associated with its disorders.
- Describe the recent advanced imaging in oral and maxillofacial radiology.
- Analyze radiographic images to identify pathological conditions in the jaws.
- Differentiate various extraoral radiographic images and views.
- Use tracing paper to label the anatomic landmarks of a panoramic radiograph.
- Utilize digital imaging to perform panoramic radiography.
- Demonstrate professionalism and integrity in clinical practice.

D. Course Content

No	List of Topics
1	Extra oral Radiographic Techniques
2	Panoramic Radiography - Principle, technique & Errors
3	Panoramic Radiography - Anatomical landmarks
4	Occlusal Radiography
5	Cysts & cyst-like lesions of the jaws
6	Benign tumors of the jaws
7	Malignant tumors of the jaws
8	Bone diseases
9	Advanced Imaging in Dentistry
10	Diagnostic imaging of TMJ
11	Cone Beam Computed Tomography (CBCT)
12	Clinical cases discussion

E. Assessment Tools

#	Assessment task	Percentage of Total Assessment Score
1	Written exam (Midterm)	20%
2	Assignment Evaluation	20%
3	Seminar Evaluation	5%
4	Written Exam (Quiz)	5%
5	Objective Structured Practical Examination (OSPE)	20%
6	Written Exam (Final)	30%
	Total	100%

F. Learning Resources

Essential References	<ul style="list-style-type: none"> • Oral Radiology Principles and Interpretation. White and Pharoah., Elsevier, 8 Edition, 2019. • Dental Radiography, Principles and Techniques. Jaen Howerton and Laura Jansen. Saunders, 5 Edition, 2017.
Supportive References	<ul style="list-style-type: none"> • Essentials of dental radiography and radiology. Whaites E and Drage N. Elsevier, Edinburgh: Churchill Livingstone, 6th edition, 2021.
Electronic Materials	Learning materials in LMS (MOODLE)
Other Learning Materials	None