

**B.D.S. FINAL YEAR**  
**SUBJECT: ORAL MEDICINE AND RADIOLOGY**

Teaching Scheme				Credits	Examination Scheme				
Lect	Prac	Clinical	Total		External		Sessional		Total
					Theory	Pract	Theory	Pract	
78	-	370	448		1	1	3	3	8

**A. COURSE OVERVIEW**

To train the students to diagnose the common disorders of Orofacial region by clinical examination and with the help of such investigations as may be required and medical management of oro-facial disorders with drugs and physical agents. To train the students about the importance, role, use and techniques of radiographs/digital radiograph and other imaging methods in diagnosis. The principles of the clinical and radiographic aspects of Forensic Odontology.

**B. COURSE CONTENT**

NO	TOPIC	L+P+C (hrs)	CL
1	PART I ORAL MEDICINE AND DIAGNOSTIC AIDS SECTION (A) – DIAGNOSTIC METHODS	16+0+78	CL1,3,6
2	PART I ORAL MEDICINE AND DIAGNOSTIC AIDS SECTION (B) – DIAGNOSIS, DIFFERENTIAL DIAGNOSIS	16+0+78	CL2,3,6
3	PART I ORAL MEDICINE AND DIAGNOSTIC AIDS SECTION (C): ORAL MEDICINE AND THERAPEUTICS.	16+0+74	CL2,3,5
4	Part – II BEHAVIOURAL SCIENCES AND ETHICS.	16+0+70	CL4
5	Part – III ORAL RADIOLOGY	14+0+70	CL1,2,6

**C. TEXT BOOKS**

- Burket; Oral Medicine, 11<sup>th</sup> edition, Elsevier, 2008.
- White & Goaz; Oral Radiology Principles and Interpretation, 3<sup>rd</sup> edition, Mosby publications, 1994

**D. REFERENCE BOOKS**

a) Oral Diagnosis, Oral Medicine & Oral Pathology

2. Coleman – Principles of Oral Diagnosis, 1st edition, Mosby, 1993.
- Jones; Oral Manifestations of Systemic Diseases – W.B. Saunders company
- Mitchell; Oral Diagnosis & Oral Medicine, 3rd edition, Lea & Febiger, 1974.
- Kerr; Oral Diagnosis, 4th edition, Mosby, 1974.
- Miller; Oral Diagnosis & Treatment, 2nd edition, Lea & Febiger, 1994.
- Hutchinson; Clinical Methods, 24th edition, Elsevier, 2019.
- Shafers; Oral Pathology, 8th edition, Elsevier, 2020.
- Sonis.S.T., Fazio.R.C. and Fang.L; Principles and practice of Oral Medicine, 2nd edition, W.B Saunders, 2008.

b) Oral Radiology

1. 2. Wuehrmann; Dental Radiology, 4th edition, C.V. Mosby Company,1977.
2. Stafne – Oral Roentgenographic Diagnosis,4th edition, W.B.Saunders Co, 1975.

c) Forensic Odontology

1. Derek H.Clark; Practical Forensic Odontology, Butterworth-Heinemann,1992.
2. C Michael Bowers, Gary Bell; Manual of Forensic Odontology, 3rd edition, Forensic Pr ,1995.

**E. COMPETENCY LEVEL**

<b>CL Number</b>	<b>Skill</b>	<b>Statement</b>
<b>CL1</b>	Knowledge	<ul style="list-style-type: none"> <li>• Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general state of health and also bearing on physical and social well-being of the patient.</li> </ul>
<b>CL2</b>	Investigations	<ul style="list-style-type: none"> <li>• Competent to take intra-oral radiographs and interpret the radiographic findings</li> <li>• Gain adequate knowledge of various extra-oral radiographic procedures, TMJ radiography and sialography. Should have an adequate knowledge about common laboratory investigations and interpretation of their results</li> </ul>
<b>CL3</b>	Patient Care: Diagnosis	<ul style="list-style-type: none"> <li>• Able to diagnose precancerous and cancerous lesions of the oral cavity, common disorders of orofacial region by clinical examination</li> </ul>
<b>CL4</b>	Patient Care: Treatment planning	<ul style="list-style-type: none"> <li>• Ethically Integrate multiple disciplines into an individual comprehensive sequence treatment plan using diagnostic and prognostic information</li> </ul>
<b>CL5</b>	Patient Care: Treatment	<ul style="list-style-type: none"> <li>• Prescription of drugs and physical agents, pre-operative, prophylactic and therapeutic requirement for oro facial disorders</li> </ul>
<b>CL6</b>	Research and Innovation	<ul style="list-style-type: none"> <li>• Upgradation of knowledge and skill from time to time, familiarize with new concept and equipment in oral medicine and radiology.</li> </ul>
<b>CL 7</b>	Evidence Based Learning	<ul style="list-style-type: none"> <li>• Consolidate all the above mentioned major competencies acquired during the course and integrate newer evidence based knowledge in displaying expertise in the science of Oral Medicine and Radiology</li> </ul>

### Program Specific Outcome

<b>PSO1</b>	<b>Diagnosis</b>	<ul style="list-style-type: none"> <li>Diagnose the common disorders of Orofacial region by clinical examination and with the help of such investigations as may be required and medical management of oro-facial disorders with drugs and physical agents</li> </ul>
<b>PSO2</b>	<b>Investigations</b>	<ul style="list-style-type: none"> <li>Competent to take intra-oral radiographs and interpret the radiographic findings</li> </ul>
<b>PSO3</b>	<b>Treatment</b>	<ul style="list-style-type: none"> <li>Ethically Integrate multiple disciplines into an individual comprehensive sequence treatment plan using diagnostic and prognostic information</li> </ul>

### F. COURSE MATRIX

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 13	PO 14	PO 15	PS O1	PS O2	PS O3
<b>CL1</b>	3	3	3	1	3	2	1	1	2	2	2	2	1	1	1	3	1	1
<b>CL2</b>	2	2	2	3	2	3	2	3	2	2	2	2	1	1	1	1	3	1
<b>CL3</b>	2	2	2	1	2	3	2	3	2	2	2	2	2	1	2	3	2	2
<b>CL4</b>	2	2	2	3	2	2	3	2	2	2	2	3	2	2	1	2	2	3
<b>CL5</b>	2	2	1	3	3	2	3	1	2	2	2	2	2	1	2	2	2	3
<b>CL6</b>	1	1	2	1	1	1	1	2	1	2	2	1	2	2	2	2	2	2
<b>CL7</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
<b>Avg</b>	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2	2.1	2.1	2.1	1.8	1.5	1.7	2.2	2.1	2.1

