

**M.D.S**  
**SUBJECT: PERIODONTOLOGY**

Teaching Scheme (Hours)				Credits	Examination Scheme				
Lec(L)	Prac(P)	Clinical(C)	Total		External		Internal		Total
					Theory	Pract	Theory	Pract	
936	936	4860	6732		2	1	1	1	5

**A. COURSE OVERVIEW**

The student shall acquire the skill to perform dental scaling, diagnostic tests of periodontal diseases; to use the instruments for periodontal therapy and maintenance of the same. The student shall develop attitude to impart the preventive measures namely, the prevention of periodontal diseases and prevention of the progress of the disease. The student shall also develop an attitude to perform the treatment with full aseptic precautions; shall develop an attitude to prevent iatrogenic diseases; to conserve the tooth to the maximum possible time by maintaining periodontal health.

**B. COURSE CONTENT**

NO	TOPIC	L+P+C	CLs
1	APPLIED ANATOMY	50+0+0	CL1
2	PHYSIOLOGY	50+0+0	CL1
3	BIOCHEMISTRY	36+0+0	CL1
4	PATHOLOGY	45+0+0+	CL1
5	MICROBIOLOGY	49+0+0	CL1
6	PHARMACOLOGY	50+0+0	CL1
7	BIOSTATISTICS	32+0+0	CL1
8	ETIOPATHOGENESIS	110+0+124	CL1,2,3
	<b>CLINICAL AND THERAPEUTIC PERIODONTOLOGY AND ORAL IMPLANTOLOGY</b>		
9	GINGIVAL DISEASES	65+0+210	CL1,2,3,4
10	PERIODONTAL DISEASES	72+0+726	CL1,2,3,4
11	TREATMENT OF PERIODONTAL DISEASES	300+0+3500	CL1,2,3,4,5,6
12	ORAL IMPLANTOLOGY	52+0+200	CL1,2,3,4,5,6
13	MANAGEMENT OF MEDICAL EMERGENCIES IN PERIODONTAL PRACTICE	25+0+100	CL1,2,3,4,5
14	PRE – CLINICAL EXERCISES	0+936+0	CL1

**C. TEXT BOOKS**

1. Newman's and Carranza; Clinical Periodontology, 13th edition, Saunders publication, 2018.

**D. REFERENCE BOOKS**

1. Torquil MacPhee; Essentials of Periodontology and Periodontics, 2nd edition, Blackwell Science Ltd., 1975.
2. Cohen; Contemporary Periodontics, 6th edition, Mosby, 1990.
3. Goldman; Periodontal therapy, 6th edition, Mosby, 1980.

4. Orban; Orbans' Periodontics, 4th edition, Mosby Inc., 1972.
5. W.H.O; Oral Health Survey , 5th edition, World Health Organization, 2014.
6. Young and Stiffler; Preventive Periodontics.
7. Slack; Dental Public Health : An introduction to community dentistry, 1st edition, Wright, 1974.
8. John Prichard; Advanced Periodontal Disease, 2nd edition, W.B Saunders Company, 1972.
9. Forrest; Preventive Dentistry, 2nd edition, Butterworth-Heinemann Ltd., 1981.
10. Jan Lindhe; Clinical Periodontology, 7th edition, Wiley Blackwell, 2021.
11. Baer & Morris; Periodontics, 1st edition , Lippincott Williams and Wilkins, 1977.

#### E. COMPETENCY LEVEL

CL Number	Skill	Statement
CL1	Knowledge	<ul style="list-style-type: none"> <li>• Have adequate knowledge about etiology, pathogenesis, diagnosis and management of common periodontal diseases with emphasis on Indian population</li> <li>• Familiarize with the biochemical, microbiologic and immunologic genetic aspects of periodontal pathology.</li> <li>• To learn the principal of lip repositioning and perio esthetics surgeries.</li> </ul>
CL2	Investigations	<ul style="list-style-type: none"> <li>• Competent to take intra-oral radiographs and interpret the radiographic findings and adequate knowledge about common laboratory investigations and interpretation of their results</li> </ul>
CL3	Patient Care: Diagnosis	<ul style="list-style-type: none"> <li>• Take a proper clinical history, thorough examination of intra oral, extra oral, medical history evaluation, advice essential diagnostic procedures and interpret them to come to a reasonable diagnosis and and get familiarized with concepts of periodontal diseases, osseointegration, and basic surgical aspects of implantology.</li> </ul>
CL4	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>
CL5	Patient Care: Treatment	<ul style="list-style-type: none"> <li>• Competent to perform thorough oral prophylaxis, subgingival scaling, root planning and minor periodontal surgical procedures and oral implantology.</li> </ul>
CL6	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 periodontology.</li> </ul>
CL 7	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</li> </ul>

		based knowledge in displaying expertise in the science of PERIODONTOLOGY
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## PROGRAM SPECIFIC OUTCOME (PSO)

PSO1	DIAGNOSIS	Students should be able to record a detailed periodontal case history, determine diagnosis, prognosis and plan treatment
PSO2	INVESTIGATIONS	Competent to take intra-oral radiographs and interpret the radiographic findings and adequate knowledge about common laboratory investigations and interpretation of their results
PSO3	TREATMENT	Student should perform scaling, root planning local drug delivery and SPT, various periodontal surgeries.

## 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
CL1	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	2	2
CL2	3	3	3	3	3	3	3	1	3	2	2	3	2	3	3	3	3	2
CL3	3	1	3	3	3	3	3	1	3	2	2	3	2	3	3	3	2	2
CL4	3	1	2	3	3	3	3	1	3	2	2	3	2	3	2	3	3	3
CL5	3	3	3	3	3	2	3	3	1	3	2	1	3	3	2	3	3	3
CL6	3	1	3	3	3	2	3	1	1	3	3	2	3	1	1	3	2	2
CL7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Avg	3.0	2.0	2.9	3.0	3.0	2.7	3.0	1.7	2.4	2.6	2.4	2.6	2.6	2.7	2.4	3.0	2.6	2.4