

# MDS Conservative Dentistry and Endodontics

## Postgraduate curriculum guidelines



Department of Conservative Dentistry and Endodontics

Saveetha Dental College

Saveetha University

Chennai 600077

		CONSERVATIVE DENTISTRY AND ENDODONTICS	
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YEAR	SUBJECT CODE	SUBJECT TITLE	MARKS	
<b>Year I Sem 1</b>	MDS 001	ABMS	100	
	MDS 002	Biostatistics	100	
	MDS 003	Systematic Review	100	
	MDS 004	Dissertation	100	
	MDS 311	Preclinical Theory	100	
	MDS 312	Preclinical Practical's and Chair side Viva	100	
<b>Year 1 Sem 2</b>	MDS 313	Dental Materials - Theory	100	
	MDS 314	Dental Materials - Practicals	100	
<b>Year 1 Sem 3</b>	MDS 315	<b>Operative Dentistry –Theory</b> <ul style="list-style-type: none"> <li>- Preliminary considerations for operative Dentistry</li> <li>- Operative dentistry armamentarium</li> <li>- Infection control</li> <li>- Fundamentals in tooth preparation</li> </ul> <b>Amalgam</b> <ul style="list-style-type: none"> <li>- Class I Cavity Preparation for Amalgam Restoration</li> <li>- Class II Cavity Preparation for Amalgam Restoration</li> <li>- Class III, IV, and V Cavity Preparation for Amalgam Restoration</li> </ul> <b>Tooth Coloured Restoration</b> <ul style="list-style-type: none"> <li>- Class I and II Direct Tooth Coloured Restoration</li> <li>- Class III and IV Direct Tooth Coloured Restoration</li> <li>- Class I and II Indirect Tooth Coloured Restoration</li> </ul> <b>Cast Metal Restoration</b> <ul style="list-style-type: none"> <li>- Designs of cavity and tooth preparations for cast restorations</li> <li>- Techniques and rationale for control of periodontium preparatory to cast fabrication</li> <li>- Direct Gold Restoration</li> </ul>	100	
	MDS 316	<b>Cariology</b> <ul style="list-style-type: none"> <li>- Detection and Diagnosis of Caries</li> <li>- Theories of Dental Caries</li> <li>- Zones of dental caries</li> <li>- Management of dental caries</li> </ul> <b>Operative Dentistry - Practicals</b>	100	
	MDS 317		100	
<b>Year 1 Sem 4</b>	MDS 318	<b>Basic Endodontics - Theory</b> <ul style="list-style-type: none"> <li>- Diagnosis in endodontics</li> <li>- Local Anaesthesia In Endodontics</li> <li>- Management of Endodontics Emergencies</li> <li>- Anatomy of the pulp cavity &amp; Access Cavity Preparation</li> <li>- Pathobiology of Pulp and Periradicular tissues</li> <li>- Root canal preparation and techniques</li> <li>- Irrigants and Intracanal medicaments</li> </ul>	100	

	MDS 319	- Obturation materials and techniques	100
	MDS 320	<b>Endodontic Armamentarium</b> - Instruments - Equipments, Materials and Devices	100
		<b>Endodontics - Practicals</b>	
<b>Year 2 Sem 1</b>	MDS 321	<b>Regenerative Endodontics</b>	100
	MDS 322	<b>Advanced Endodontics – Theory</b> - Endodontic Microbiology - Biofilms in Endodontics - Molecular techniques in Endodontics - Restoration of Endodontically Treated Teeth - Role of endodontics after Traumatic Injuries - Periradicular Surgery/Microsurgery - Endodontic Pharmacology - Endodontic and Periodontal Interrelationship - Endodontic Mishaps & Management - Multidisciplinary endodontics - Nonsurgical retreatment - Digital Technology and Cone beam Imaging for endodontic procedures	100
	MDS 323	- Lasers in Endodontics - Magnification in Endodontics  <b>Practicals</b>	100
<b>Year 2 Sem 2</b>	MDS 324	<b>Advanced Operative Dentistry – Theory</b> - Complex amalgam restorations - Principles of restoration of badly broken down teeth - Additional conservative aesthetic procedures - Contacts and Contours - Management of Deep carious Lesions - Minimal Invasive dentistry - Lasers in conservative dentistry - Reinforced dental cements - Non Carious destruction and Disfigurement of teeth	100
	MDS 325	- Single tooth restoration and periodontium	100
	MDS 326	- Single tooth restoration and the stomato-gnathic system <b>Aesthetic Dentistry</b>  <b>Practical's</b>	100

<b>Year 3 Sem 1</b>	MDS 391	Conservative Dentistry	100
	MDS 392	Endodontics	100
	MDS 393	Recent Advances in Conservative and Endodontics	100
	MDS 394	Practical's	200
	MDS 395	VIVA	100
	MDS 396	Research Internal Assessment	400
		<ul style="list-style-type: none"> <li>- Paper presentation</li> <li>- Poster presentation</li> <li>- Quiz/Debate</li> <li>- Video presentation</li> <li>- STAR SUMMIT presentation</li> <li>- Manuscript</li> <li>- Publication</li> <li>- Awards</li> </ul>	
	MDS 397	Clinical Internal Assessment	1000
		<b>Total</b>	<b>4000</b>