

Saveetha Institute of Medical and Technical Sciences

Vision:

To be and to be recognized for setting the standards of excellence in professional education and high quality scientific research.

Mission:

To Promote Academic Excellence, widen intellectual horizons, inculcate self discipline, and high ideals for the total personality development of individual to convert a novice into a competent professional with excellent theoretical knowledge and unsurpassed practical / clinical skills and to motivate interest in research activities, further education and social service.

Saveetha Dental College

Saveetha Institute of Medical and Technical Sciences (SIMATS)

PO CO mapping for BDS (1501)

| Program Outcome BDS 1501 | |
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| PO1 | Patient assessment, diagnosis, comprehensive treatment planning, prognosis and informed consent |
| PO2: | Screening and risk assessment for head and neck cancer |
| PO3: | Recognizing the complexity of patient treatment and identifying when referral is indicated |
| PO4 | Health Promotion and disease prevention, including caries management |
| PO5 | Local anesthesia, pain and anxiety control including consideration of the impact of prescribing practices and substance use disorder |
| PO6 | Restoration of teeth |
| PO7 | Communicating and managing dental laboratory procedures in support of patient care |
| PO8 | Replacement of teeth including fixed, removable and dental implant prosthodontic therapies |
| PO9 | Periodontal therapy |
| PO10 | Pulpal therapy |
| PO11 | Oral mucosal and osseous disorders |
| PO12 | Hard and soft tissue surgery |
| PO13 | Dental emergencies |
| PO14 | Malocclusion and space management |
| PO15 | Evaluation of the outcomes of treatment, recall strategies and prognosis |
| PO16 | Understanding the normal biological process and the structure and function of the human body with special emphasis on the head and neck. |
| PO 17 | Understanding the deviations in the normal biological process and the structure and function of the human body with special emphasis on the head and neck. |
| PO18 | Communication with other health professionals, labs and technical experts to understand interpret and include in the planning and management of various |

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| | dental diseases and disorders. |
| PO 19 | Widen intellectual horizons by researching new information and contributing to the existing literature with novel discoveries to enhance the quality of health care for the society. |
| PO20 | Develop fine motor skills to embrace the artistic aspects of orofacial therapy. |
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| Course Details: BDS307: Fundamentals of Cariology | | |
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| Course Outcome | | PO mapping |
| CO1 | Should have theoretical knowledge on Development, growth and Structure of Oral hard and soft tissues and Carious lesions and its biological determinants | PO 16 |
| CO2 | Improved knowledge base on Aetiology, pathogenesis and modifying factors of dental caries and other dental hard tissue disorders | PO 17 |
| CO3 | Caries Risk Assessment, detection of lesions with comprehensive diagnosis and synthesis of determinants | PO 15 |
| CO4 | Decision making and Non invasive, micro invasive and invasive strategies | PO 6 PO 4 |
| CO5 | Should be competent in evidence based practices related to dental caries disease management. | PO 19 |
| CO6 | Should be able to diagnose disease based on history, risk factor assessment and lesion severity in patients | PO 1 |
| CO7 | Should be able to communicate with patients effectively and educate them about treatment needs and assess. | PO 15 |
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| | Outcome Evaluation (500 marks) | PO CO Mapping |
| | Total Score (200 Summative, 300 formative = 500 marks) | |
| ST | Concept Map (3 x 5 = 15 marks) | PO1, PO 16, PO 17 CO1, CO2, CO4, CO6, CO7 |

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| ST | EBD Concept Map (1 x 5 = 5 marks) | PO4, PO6, PO 17, PO19, CO2, CO4, CO5. |
| ST | Objectives (50 x 1 = 50 marks) | PO4, PO 6, PO 15, PO 16, PO 17 CO1, CO2, CO3, CO4 |
| SP | Practicals (90 marks) (Caries profile with risk assessment and management) | PO 1, PO 4, PO 6, PO 15, PO 17 CO2, CO3, CO4, CO6, CO7 |
| SV | Viva (20 marks) | PO1, PO 4, PO6, PO 15, PO 16, PO17. CO1, CO2, CO3, CO4. |
| FT | Weighted percentile scores of Periodic Tests converted for 50+20 marks | PO1 CO1, CO2, CO5 |
| FT | Mean ARMS daily participation score converted for 100 marks. | PO1, PO4, PO6, PO15, PO 16, PO 17, PO 19 CO1, CO2, CO3, CO4, CO5, CO6, CO7 |
| FC | Practical exercise activity score - 100 marks Documentations of 5 best cases Caries profile with risk assessment and management including 3 months follow up (100 marks), | PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO13, PO15, CO2, CO3, CO4, CO5 CO6, CO7 |
| FRC | Research poster / paper presentation / publication scores, and awards - 50 marks | PO19, CO1, CO4, CO5 |
| Legend: <ul style="list-style-type: none"> • ST SUMMATIVE THEORY, • SP SUMMATIVE PRACTICAL, • SV SUMMATIVE VIVA, • FT FORMATIVE THEORY, • FP FORMATIVE PRACTICAL, • FC FORMATIVE CLINICAL • FRC FORMATIVE RESEARCH - CO-CURRICULAR | | |

Result Analysis :

Course Details: BDS307: Fundamentals of Cariology

Outcome Analysis

| | Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks) | PO CO Mapping | Outcome Analysis 2021 |
|----|---|---|--------------------------|
| ST | Concept Map (3 x 5 = 15 marks) | PO1, PO 16, PO 17 CO1, CO2, CO4, CO6, CO7 | 75 |
| ST | EBD Concept Map (1 x 5 = 5 marks) | PO4, PO6, PO 17, PO19, CO2, CO4, CO5 . | 75 |
| ST | Objectives (50 x 1 = 50 marks) | PO4, PO 6, PO 15, PO 16, PO 17 CO1, CO2, CO3, CO4 | 75 |
| SP | Practicals (90 marks) (Caries profile with risk assessment and management) | PO 1, PO 4, PO 6, PO 15, PO 17 CO2, CO3, CO4, CO6, CO7 | 80 |
| SV | Viva (20 marks) | PO1, PO 4, PO6, PO 15, PO 16, PO17. CO1, CO2, CO3, CO4 | 18 |
| FT | Weighted percentile scores of Periodic Tests converted for 50+20 marks | PO1 CO1, CO2, CO5 | 96 |
| FT | Mean ARMS daily participation score converted for 100 marks. | PO1, PO4, PO6, PO15, PO 16, PO 17, PO 19 CO1, CO2, CO3, CO4, CO5, CO6, CO7 | 89 |
| FC | Practical exercise activity | PO2, PO3, PO4, PO5, PO6, | 89 |

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| | score - 100 marks Documentations of 5 best cases Caries profile with risk assessment and management including 3 months follow up (100 marks), | PO7, PO8, PO13, PO15, CO2, CO3, CO4, CO5 CO6, CO7 | |
| FR C | Research poster / paper presentation / publication scores, and awards - 50 marks | PO19, CO1, CO4, CO5 | 40 |
| Legend: <ul style="list-style-type: none"> • ST SUMMATIVE THEORY, • SP SUMMATIVE PRACTICAL, • SV SUMMATIVE VIVA, • FT FORMATIVE THEORY, • FP FORMATIVE PRACTICAL, • FC FORMATIVE CLINICAL • FRC FORMATIVE RESEARCH - CO-CURRICULAR | | | |