

Faculty of Oral & Dental Medicine

Crowns & Bridges Technology

Information :

Course Code : PROS 321

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

| Title | Name | Office hours |
|---------------------|---|--------------|
| Professor | Ashraf Hussien Abdel Fattah Sherif | |
| Associate Professor | MOSTAFA ELSAYED MOHAMED ABOUSHAHBA | 3 |
| Associate Professor | SHEREEN AHMED ABDELMAQSOU NOSSAIR | |
| Lecturer | Omar Hussein Mohamed Abdelbary | |
| Assistant Lecturer | Engy Ibrahim Hassan Shohdy Ibrahim Dahroug | |
| Assistant Lecturer | Passant Bahaa eldin Abdallah Aly Soliman | |
| Assistant Lecturer | Sherine Osama Hussein Wahby Elebiary | |
| Assistant Lecturer | Heba Ahmed Hassan Elkhayat | |
| Assistant Lecturer | Mai Salah EIDin Abdel Azim Mohamed | |
| Assistant Lecturer | Hesham Samir Saad Sabet | |
| Teaching Assistant | Maya Khoweiled Abdelhalim Khoweiled | |
| Teaching Assistant | Yasmin Bassel Sayed Yehia Khulief | |
| Teaching Assistant | Marco Ashraf Helmy Sedhom | |
| Teaching Assistant | Nouran Tarek Mohamed El araby | |
| Teaching Assistant | Mohamed Hamdy Abdulmaguied Mohamed Atta Shrmama | |
| Teaching Assistant | Asmaa Ahmed Ibrahim Mohamed Montaser | |
| Teaching Assistant | Nourhan Amr Ahmed Amin Hathout | |
| Teaching Assistant | Mostafa Gamal Mostafa korany Mostafa | |
| Teaching Assistant | Rim Wael Moustafa Fouad Elbalkimy | |
| Teaching Assistant | Saif Eldine Wael Mohamed Wagdy Gharib | |
| Teaching Assistant | Samer Shawky Mohamed Mohamed Ismail | |
| Teaching Assistant | Ahmed Waleed Abdelaziz Shaban | |
| Teaching Assistant | Ali Gamal Elsadowy Elaraby | |

Area Of Study :

- To educate the students about the basics of different principles of tooth preparation.
- To enable the students to recognize and use the different cutting instruments..
- To enable the students to understand the different technical laboratory steps of full metal and jacket crown preparation

Description :

Basic knowledge about the terminology and classification, instruments, types of finish lines, principles of tooth reduction, full metal crown preparation and casting procedures

Course outcomes :

a. Knowledge and Understanding: :

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|-----|---|
| 1 - | Define the different principles of tooth preparation |
| 2 - | Recognize the different cutting instruments |
| 3 - | Identify the different technical laboratory steps of tooth preparation of full metal and Jacket crown and various types of restorations |

b. Intellectual Skills: :

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| 1 - | Recognize the health and safety regulations within the laboratory |
| 2 - | Maintain a professional image in a manner, dress, speech, and |

c. Professional and Practical Skills: :

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| 1 - | Apply the principles of tooth preparation |
| 2 - | Use Properly the appropriate instrument |
| 3 - | Perform satisfactorily the different technical steps of full metal and all ceramic (Jacket) crowns preparation |

d. General and Transferable Skills: :

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| 1 - | Health safety-infection control implement infection control policies |
| 2 - | Recognition of the value and role of life long learning, self assessment, and critical thinking in maintaining competency. |
| 3 - | Evaluate personal progress and be able to assess ones weakness and strengths. |
| 4 - | Ethical behavior and professionalism |
| 5 - | Have integrity, honesty and trustworthiness |
| 6 - | Treat the Patient as a person not as a disease |
| 7 - | Maintain a professional image in manner, dress, speech, and interpersonal |
| 8 - | Skills related to social and community context of health care : |
| 9 - | Understand epidemiological techniques used to determine social, behavioral, |

Course Topic And Contents :

| Topic | No. of hours | Lecture | Tutorial / Practical |
|--------------------------------|--------------|--------------------------------|--------------------------------|
| Terminology and Classification | 5 | Terminology and Classification | Terminology and Classification |
| Terminology and Classification | 5 | Terminology and Classification | Terminology and Classification |
| Instruments | 5 | Instruments | Instruments |
| Full metal crown | 5 | Full metal crown | Full metal crown |

Course Topic And Contents :

| Topic | No. of hours | Lecture | Tutorial / Practical |
|---------------------------------|---------------------|---------------------------------|---------------------------------|
| Full metal crown | 5 | Full metal crown | Full metal crown |
| Principles of tooth preparation | 5 | Principles of tooth preparation | Principles of tooth preparation |
| Principles of tooth preparation | 5 | Principles of tooth preparation | Principles of tooth preparation |
| Principles of tooth preparation | 5 | Principles of tooth preparation | Principles of tooth preparation |
| Principles of tooth preparation | 5 | Principles of tooth preparation | Principles of tooth preparation |
| Jacket crown | 5 | Jacket crown | Jacket crown+2nd Midterm |
| Jacket crown | 5 | Jacket crown | Jacket crown |
| Revision | 5 | Revision | Revision |
| Revision | 5 | Revision | Revision |

Teaching And Learning Methodologies :

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| Lectures |
| Clinical sessions |
| Demonstration |
| Small group discussion |
| Practical (Laboratory) Training and Requirements |
| E-Learning |
| PBL |

Course Assessment :

| Methods of assessment | Relative weight % | Week No | Assess What |
|------------------------------|--------------------------|----------------|--|
| 1st Mid Term Exam | 15.00 | | assess knowledge and understanding |
| 2nd Mid Term Exam | 15.00 | | assess knowledge and understanding |
| Final Practical Examination | 15.00 | | clinical skills , intellectual and general |
| Final Written Examination | 25.00 | | knowledge and understanding. |
| Oral Examination | 10.00 | | |
| Practical Work | 20.00 | | assess clinical skills , intellectual and general skills |

