

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Clinical Operative Dentistry III
Course number	DENT4147
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

- 1 - Understand and apply the sound principles of infection control in keeping with current regulation.
- 2 - Know the routine chair side pre-operative procedures.
- 3 - Know how to asses , examine and plan the treatment for the patient.
- 4 - Be able to achieve moisture control, without harming the patient.
- 5 - Know the various diagnostic tests, methods of prevention & management of caries.
- 6 - Be able to control the pain while doing operative procedures.
- 7 - Know the applied aspects of various restorative materials on natural teeth.
- 8 - Be able to prepare & restore simple class I cavities with amalgam restorative material on patients

Intended Learning Outcomes

Knowledge and Understanding	* Should be well versed with all the concepts of sterilization and disinfection in Operative dentistry. Students should be able to obtain a detailed case history of the patient, diagnose the disease and plan the treatment accordingly. Should be able to carry out isolation of the operator field. Realize and consider the pain, its causes, mechanism and its control techniques. Describe and apply different operator and chair positions. The clinical treatment of cavitated, carious teeth must be accomplished expeditiously, judiciously and appropriately
Intellectual Skills	* Students will develop good concentration on the topics which will result in good concentration, perception and nevertheless memory all of which leading to understanding, recollection, reproduction of the taught concepts (both theoretical and practical) at any given time.
Professional Skills	* Use the instruments required to perform cavity preparation Able to handle engine driven rotary instrumentation in a proper and safe way in the patients mouth Properly use of amalgam material Able to provide the treatment details to patient /build up good dentist patient relationship and provide the treatment in a best possible way keeping the psychological status of patients in mind
General Skill	* The students are encouraged to have an attitude for commitment to succeed in the field, work well with the fellow students and maintain good relationship with staff members/ patients, with responsibility towards finishing all cases on time.

Course Contents

1 - Orientation to the dental clinic, dental unit, its accessories, and high speed rotary instruments.
2 - Introduction to Operative clinic system, patient – dentist relationship, patient records and filing system
3 - Patient preparation, position, assessment and diagnosis
4 - Class I, II, III, IV, V cavity preparations and amalgam/composite restorations on extracted natural teeth
5 - preparation & restoration simple class I cavities with amalgam restorative material on patients

Teaching and Learning Methods

1 - Explanation utilising Microsoft power point including pictures
2 - Interactions with the students to explain the concepts taught to develop self interest and competition among the fellow students
3 - Complete supervision and instruction on each clinical case
4 - Clinical demonstrations
5 - Critical evaluation on the clinical work done in a constructive manner.

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
(Requirements (natural extracted teeth	during the 1st month	15%
(Requirements (cases	after the 1st month until final exam	35%
Final practical examination	last week	20%
Midterm Practical Exam	4th week	10%
Attendance, Behaviour	during semester	10%
Infection Control	during semester	10%

Books and References

Essential books	1. Sturdevants Art and Science of Operative Dentistry (Roberson, Sturdevants Art and Science of Operative Dentistry) by Theodore Roberson, Harold O. Heymann, and Edward J. Swift. 2006. 2. Textbook of Operative Dentistry by Sharad Chandra and Sangita Chandra. 2008
Recommended books	3. Principles of Operative Dentistry by A. J. E. Qualtrough, Julian Satterthwaite, Leean Morrow, and Paul Brunton. 2005