

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Operative Dentistry I Lab
Course number	DENT3101
Faculty	
Department	
Course type	College Needs
Course level	3
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

- 1 - After completion of the course the students should:
- 1- Identify the factors that influence operative dentistry both today and in the future
 - 2- Identify and classify carious lesions
 - 3- Know the aims, objectives and terminologies of operative dentistry
 - 4- Classify and describe the tooth preparation
 - 5- Understand the principles of Tooth Preparation and the various steps involved in it
 - 6- Possess the appropriate theoretical and practical knowledge of Hand and rotary cutting Instruments
 - 7- Apply the concepts of class I, II, III, IV, V cavity preparation

Intended Learning Outcomes

Knowledge and Understanding	* Identify dental caries and its classification Recognize the fundamentals of cavity preparation in all tooth surfaces for Amalgam and composite. Recognize and describe different instrument used in Operative Dentistry
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
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, with responsibility towards finishing all assignments on time.

Course Contents

- 1 - Working On Frasco Cast: Simple Class I, Compound Class I, Class II (OM, OD, MOD), Class III with/without adjacent, Class IV, Class V cavity preparations for Amalgam & Composite restorations.
- Working On Phantom Head : Simple Class I, Compound Class I, Class II (OM, OD, MOD), Class III with/without adjacent, Class IV, Class V cavity preparations for Amalgam & Composite restorations.

Teaching and Learning Methods

- 1 - Explanation utilising Microsoft power point including pictures Explanations by drawing pictures Interactions with the students to explain the concepts taught to develop self interest and competition among the fellow students

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Final examination	last week	30%
First Quiz	6th week	15%
Second Quiz	12th week	15%
Requirements	during semester	30%
Attendance, Behaviour	during semester	10%

Books and References

Essential books	1. Fundamentals of Operative Dentistry: A Contemporary Approach by James B. Summitt, J. William Robbins, Thomas J. Hilton, and Richard S. Schwartz. 2006. 2. 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.
Recommended books	3. Textbook of Operative Dentistry by Sharad Chandra and Sangita Chandra. 2008. 4. Principles of Operative Dentistry by A. J. E. Qualtrough, Julian Satterthwaite, Leean Morrow, and Paul Brunton. 2005. 5. Pickards Manual of Operative Dentistry (Oxford Medical Publications) by Edwina A. M. Kidd, Bernard G. N. Smith, and Timothy F. Watson. 2003