

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Operative Dentistry V
Course number	DENT5146
Faculty	
Department	
Course type	Major Needs
Course level	5
Credit hours (theoretical)	1
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1	- Review techniques to conservatively excavate carious lesions and restore teeth using composite resins and bioactive materials
2	- List the finishing and polishing techniques that create natural surface texture and reflection
3	- Get a clear overview of the structure, components, principles of function and physical properties of fiber-reinforced composite materials
4	- Review the different types of dental stains and how treatment can be modified
5	- Discuss aspects of enamel bonding with the acid-etching technique
6	- Identify differences between enamel and dentin as substrates for bonding

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * Explain the Class V "Smart" preparation and restoration * Identify the most suitable clinical applications for the material and the risks related to its use * Understand the longevity of restorations and the need for maintenance treatment * Identify the two current bonding strategies and their differences – total-etch vs. self-etch * Recognize the role of the smear layer in dentin bonding * Know the advantages and disadvantages of self-etch adhesives
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Course Contents

- 1 - Conservative Approach in Restorative Dentistry (Minimally Intervention Dentistry) I
- 2 - Conservative Approach in Restorative Dentistry (Minimally Intervention Dentistry) II
- 3 - Conservative Approach in Restorative Dentistry (Minimally Intervention Dentistry) III
- 4 - Aesthetics in Dentistry I
- 5 - Aesthetics in Dentistry II
- 6 - Aesthetics in Dentistry III
- 7 - Management of Discolored Teeth (Bleaching) I
- 8 - Management of Discolored Teeth (Bleaching) II
- 9 - Indirect Esthetic Restorations I
- 10 - Indirect Esthetic Restorations II
- 11 - Adhesion to Enamel and Dentin I
- 12 - Adhesion to Enamel and Dentin II
- 13 - Adhesion to Enamel and Dentin III

Teaching and Learning Methods

- 1 - Power point lectures
- 2 - Assignments
- 3 - Discussion

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Mid- term exam	8th week	30%
Activities & attendance	during semester	20%
Final exam	16th week	50%

Books and References

Essential books	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 Textbook of Operative Dentistry by Sharad Chandra and Sangita Chandra. 2008
Recommended books	Conservative Dentistry Including Endodontics: Questions and Answers by Bansal. 2008