King Saud University

College of Dentistry

**Department of Restorative Dental Sciences**

**Restorative Dentistry Seminar**

**(RDS 550)**

**Academic Year 2013-2014 (1435-1436H)**

**Course Director: Prof. Wedad Awliya**

**Course contributor: Prof. Nadia Taher**

This course is designed to teach students procedures and techniques that are available for this basic restoration of teeth. These principles of the management of carious and other lesions, cavity preparation and tooth restoration are taught in the context of the knowledge of tooth form and structure, the nature of common diseases processes and the science of restorative material.

**Objectives:**

* The aim of this course is to teach the students the basic principles of restorative dental practice. The objectives are to ensure the student has the ability to read the assigned textbook, summarize, understand and have the basic knowledge in restorative dentistry as well as critically reviewing the topic assigned from each textbook.
* The course also, aim to develop the students skill in power point presentation, in class discussion and answering questions

**Format:**

* Each student will present the assigned topic by power point presentation.
* Each student should submit a summery two days before the assigned day of the presentation to the course director, the co-director and to the other students through e-mail

**Text books:**

The assigned Textbooks in operative dentistry are reviewed by topics.

* The Art and Science of Operative Dentistry

Sturdevant, CM et 5th Edition 2012

* Fundamental of Operative Dentistry

Summit, Riobbins & Schwartz 3nd edition 2006

**Evaluation:**

1. 60% on the weekly presentation distributed as follow:

* Weekly summary (2 points)
* Power point Presentation (5 points)
* Respond to questions (2 points)
* Participation (1Point)

1. 20% on midyear exam
2. 20% on the final exam.

**Contact information**

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**Topics for first semester**

1) Introduction

2) Management & Control of Caries

3) Biologic consideration

4) Patient evaluation & problem oriented

5) Principle of cavity design

6) Tooth preparation (anterior teeth)

7) Tooth preparation (posterior teeth)

Only Design of cavities and their Modifications

8) Enamel and dentin adhesion

9) Composite resin Restoration.

10) Fluoride releasing material + operative treatment for elderly people

11) Cast gold restoration

12) Tooth bleaching + microabrasion

13) Veneers

14) Amalgam

15) mid-year exam

**Topics for second semester**

1) Infection control in dentistry

2) Isolation of the operative field and type of matrixes

3) Bases and liners

4) Temporary restorations and temporization of all esthetic preparations

5) Light curing unites

6) Restoration of endodontically treated teeth

7) CAD/CAM restorations

8) Esthetic inlays and onlays

9) Instruments used in operative Dentistry

10) Considerations During Esthetic treatment II

11) Restoration Repair, finishing and polishing

12) Selection of the restorative material

13) Anterior esthetic crowns

14) Final Exam

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|  |  |  | Topics |
| Zainab | Anfal | Somaia | Introduction |
|  |  |  | Management & Control of Caries |
|  |  |  | Biologic consideration |
|  |  |  | Patient evaluation & problem oriented |
|  |  |  | Principle of cavity design |
|  |  |  | Cavity Design & its modifications of anterior teeth preparation |
|  |  |  | Cavity Design & its modifications of posterior teeth preparation |
|  |  |  | Instruments used in operative Dentistry |
|  |  |  | Restoration of endodontically treated teeth |
|  |  |  | Cast gold restoration |
|  |  |  | Esthetic inlays and onlays |
|  |  |  | Veneers |
|  |  |  | Temporary restorations and temporization of all esthetic preparations |
|  |  |  | CAD/CAM restorations |
|  |  |  | mid-year exam |
|  |  |  |  |
|  |  |  |  |
|  |  |  | Infection control in dentistry |
|  |  |  | Isolation of the operative field and type of matrixes |
|  |  |  | Bases and liners |
|  |  |  | Light curing unites |
|  |  |  | Tooth bleaching + micro abrasion |
|  |  |  | Enamel and dentin adhesion |
|  |  |  | Composite resin Restoration |
|  |  |  | Fluoride releasing material + operative treatment for elderly people |
|  |  |  | Anterior esthetic crowns |
|  |  |  | Considerations during esthetic treatment |
|  |  |  | Restoration repair, finishing and polishing |
|  |  |  | Selection of the restorative material |
|  |  |  | Amalgam |
|  |  |  | Final Exam |
|  |  |  |  |

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**RDS 550 &560**

**First Semester 204-2015**

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| **Week** | **TOPIC** |
| 1 | Introduction |
| 2 | Management & Control of Caries |
| 3 | Biologic consideration |
| 4 | Patient evaluation & problem oriented |
| 5 | Principle of cavity design |
| 6 | Cavity Design & its modifications of anterior teeth preparation |
| **7** | Cavity Design & its modifications of posterior teeth preparation |
| 8 | Instruments used in operative Dentistry |
| 9 | Restoration of endodontically treated teeth |
| 10 | Cast gold restoration |
| 11 | Esthetic inlays and onlays |
| 12 | Veneers |
| 13 | Temporary restorations and temporization of all esthetic preparations |
| 14 | CAD/CAM restorations |
| 15 | mid-year exam |

**Second Semester 204-2015**

|  |  |
| --- | --- |
| **Week** | **TOPIC** |
| 1 | Infection control in dentistry |
| 2 | Isolation of the operative field and type of matrixes |
| 3 | Bases and liners |
| 4 | Light curing unites |
| 5 | Tooth bleaching + microabrasion |
| 6 | Enamel and dentin adhesion |
| 7 | Composite resin Restoration |
| 8 | Fluoride releasing material + operative treatment for elderly people |
| 9 | Anterior esthetic crowns |
| 10 | Considerations during esthetic treatment |
| 11 | Restoration repair, finishing and polishing |
| 12 | Selection of the restorative material |
| 13 | Amalgam |
| 14 | Final Exam |