King Saud University

College of Dentistry

**Department of Restorative Dental Sciences**

**Advanced Restorative Dentistry Seminar**

**RDS 560**

**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 the advanced restoration of teeth. These advanced principles of the management of carious and other lesions, cavity preparation and tooth restoration are taught based on the knowledge of tooth form and structure, the nature of common disease processes and the science of restorative material given in previous course RDS 550. This course is also designed to teach students the advanced principles of restorative dental practice. The objectives are to ensure the student has the ability to reach the assigned textbook, to understand and have knowledge in advanced restorative dentistry as well as critically review the topics assigned from each textbook.

**Objectives:**

* To help students to communicate clearly and in a range of contexts and use appropriate media, and to able to both work in and lead group discussions and participate in tasks involving communicative competence
* To help students to produce consistent, comprehensive and original pieces of academic writing of different length, genres, and for a variety of audiences.
* To display advanced knowledge and practice of the methods in restorative and esthetic dentistry

**Format:**

The assigned textbooks in advanced operative dentistry are reviewed by topics.

**Textbooks:**

* **Advanced Operative Dentistry** / A practical Approach By David Ricketts and David Bartlett
* **Restorative Dentistry** by Franco Brenna
* **Pickard’s Manual of Operative Dentistry** by Avijit Banerjee and Timothy F Watson

• **Advanced Operative Dentistry** / Challenge of the future

**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)

2)20% on midyear exam

3)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

**College of Dentistry**

**Department of Restorative Dental Sciences**

**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**

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| --- | --- |
| **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 II |
| 11 | Restoration repair, finishing and polishing |
| 12 | Selection of the restorative material |
| 13 | Amalgam |
| 14 | Final Exam |