

King Saud University

College of Dentistry

Department of Prosthetic Dental Sciences



SDS 333

Preclinical Fixed Prosthodontics

**DR. SYED RASHID HABIB**

Course Director - DUC

**DR. HANEEF SHERFUDHIN**

Course Co-Director-DUC

**ACADEMIC YEAR**

**1435 /1436H (2014/2015G)**

**COURSE NO.**: **SDS 333**

**COURSE TITLE**: **Preclinical Fixed Prosthodontics**

**CREDIT HOURS**: **6 (2L+4P)**

**PREREQUISITES**: **212 SDS & 213 RDS**

**COURSE DESCRIPTION:**

This is a one year course during the Third Year. It is an introductory course to Fixed Prosthodontics. The course represents the orientation phase to the discipline of fixed prosthodontics (FP). It provides a structured framework for the students to learn the scientific basis and the fundamental principles of FP.

It prepares the student for the practice of sound clinical FP through a patient simulation phase of mechanical and technical procedures.

**COURSE OBJECTIVES:**

Upon completion of this course, the student will:

1. Understand the nomenclature and instrumentation used in clinical dentistry.
2. Develop basic psychomotor skills for clinical dentistry.
3. Use management and clinical self-evaluation skills in delivering clinical dental care.
4. Apply basic occlusal function and stability principles to restorative procedures.
5. Apply factors of biological and mechanical design for the preparation of teeth for extracoronal cast gold, porcelain fused to metal and all ceramic restorations.
6. Apply factors of biological and mechanical design for complex foundational restorations.

**COURSE TOPICS:**

1st Semester

1. Introduction to Fixed Prosthodontics, terminology.
2. Fundamentals of Occlusion.
3. Articulators.
4. Treatment planning for single tooth restoration.
5. Principles of tooth preparation.
6. Retention and resistance and its theoretical and practical attainment.
7. Metal ceramic crown preparation.
8. Introduction to ceramics and all ceramic crowns.
9. CAD/CAM restorations.
10. Pontic design.
11. Porcelain laminate veneers.
12. Impressions.
13. Working cast and dies.

2nd Semester

1. Wax patterns.
2. Wax-up procedure, cut-back and framework design for metal ceramic restoration.
3. Investing and Casting.
4. Fitting, finishing and cementation.
5. Provisional restorations \_1.
6. Provisional restorations \_ 2.
7. Preparation of metal coping for porcelain application.
8. Porcelain application, staining, glazing and polishing of metal ceramic restorations.
9. Preparation for severely debilitated teeth.
10. Treatment planning for the replacement of missing teeth.
11. Restoration of endodontically treated teeth \_1.
12. Restoration of endodontically treated teeth \_2.
13. Solder joints and other connectors.
14. Resin bonded fixed partial dentures.

**INSTRUCTIONAL METHODS:**

* Didactic Lectures
* Patient Simulation Clinic (laboratory) and Hands-on Practical Sessions

**EVALUATION AND ASSESSMENT:**

The students have to pass both parts separately. Failure in any one of them will result in failure of the whole course.

Full rotation of the course contributors will be scheduled to give every student the opportunity to be exposed to all instructors. The grading criteria for projects and procedures, according to which the student’s work is evaluated, are included within these guidelines. The course grades earned will be calculated as a weighted average.

|  |  |  |  |
| --- | --- | --- | --- |
| **Practical:** |  |  | **60%** |
| 1. Practical continuous assessment
 |  | 20% |  |
| 1. Practical examinations (3 sets)
 |  | 30% |  |
| 1. Final Practical Exam
 |  | 10% |  |
| **Didactic:** |  |  | **40%** |
| 1. Mid-year didactic exam
 |  | 10% |  |
| 1. Final Didactic Written Exam
 |  | 20% |  |
| 1. Quizzes
 |  | 10% |  |
| **TOTAL GRADE** |  |  | **100%** |

**COURSE PROTOCOL:**

1. ATTENDANCE
2. Attendance to the lecture and patient simulation clinical sessions are mandatory and of primary importance.
3. Being ten (10) minutes late to the lecture will be considered as absent and 15 minutes late to the session will also be considered as being absent.
4. Twenty-five percent (25%) of absence from the lecture/patient simulation clinic will deprive the students from taking the final exam (university rules and regulations).
5. Work missed due to unexcused absences will receive a “0” grade if not finished by the assigned time.
6. In order for an absence to be excused, it must be approved by the vice dean for academic affairs on the day of the absence.
7. All projects must be signed by your Instructor prior to request of an excused absence.
8. Past performance on daily work and the reason for the absence will be taken into consideration when considering your request.
9. EXAMINATION
	* There will be a mid-year Didactic exam.
	* Quizzes will be given as indicated in the schedule or at the course director’s discretion. No-make ups will be allowed for quizzes that are missed.
	* There will be three (3) practical examinations and a final practical exam as scheduled. No make-ups will be allowed for practical exams missed.
10. CHEATING
	* Cheating will not be tolerated. Students found cheating during the quizzes and the mid-year exam will be given an automatic failure. An automatic failure in the course will be given to those having their work made by someone else.
	* During practical examinations you are not allowed to communicate or look at others or their work. You will always work with dentoform in the stand and in a correct position. You are not to remove or change teeth once a practical exam has started without one of the Instructor's approval. Lack of observation of any of these rules or additional rules that may be given during a practical exam, will constitute an automatic failure.
11. PROFESSIONALISM
* One of the learning objectives of this course is professionalism and professional responsibility. Cleanliness and organization are critical in the delivery of quality health care. Cleanliness in attire will be evaluated daily. Maintain a clean professional atmosphere, personally and in the work area. It is your responsibility to keep it clean. Throw all waste into proper waste receptacles. If a student is observed, leaving waste on the benches and/or floor, including pour-up areas and general areas, they will be warned. If immediate corrective action is not taken, points will be deducted.
* Students must follow the infection control protocol. Every student should wear the clinical uniform adopted by the school. Also, protective glasses or shields must be used during the use of rotary instruments.

**REQUIRED TEXTBOOKS:**

Fundamentals of Fixed Prosthodontics (Fourth Edition) Herbert T. Shillingburg, David Sather, Edwin Wilson, Joseph Cain, Donald Mitchell, Luis Blanco and James Kessler. Quintessence Publishing Co., 2012.

Additional Reading Assignments may be given by different lecturers for certain topics.

1st SEMESTER

|  |  |
| --- | --- |
| SDS 333 | **1st Week** |
|  | 31st August, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 1  | **Dr. Syed Rashid Habib** |
| **Introduction to the Course / Introduction to Fixed Prosthodontics** **(Chapter 1)** |
| TOPICS:* Terminology
* Diagnosis
	+ Health history
	+ TMJ and occlusal evaluation
	+ Intraoral examination
	+ Diagnostic casts
	+ Full mouth radiograph
* Protection against infectious diseases
 |

|  |
| --- |
| SIMULATION CLINIC NO. 1 |
| Allocation of cubicles, Assignment of instructors & Distribution of instruments |

|  |
| --- |
| SIMULATION CLINIC NO. 2 |
| Equilibration of dentoform, alginate impression of U/L dentoform model, pouring & trimming of casts  |

|  |  |
| --- | --- |
| SDS 333 | **2nd Week** |
|  | 7th September, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 2 |  Dr. Fahim Vohra |
| **Fundamentals of Occlusion**(Chapter 2) |
| TOPICS:* Centric relation
* Mandibular movements
* Occlusal interferences
* Organization of occlusion
* Effects of anatomical determinants
	+ Molar dislocation
	+ Condylar guidance
	+ Anterior guidance
* Steps in the fabrication of custom anterior guidance table
 |

|  |
| --- |
| SIMULATION CLINIC NO. 3 |
| Completion of U/L casts |

|  |
| --- |
| SIMULATION CLINIC NO. 4 |
| Completion of U/L casts and preparation of articulators for mounting of casts |

|  |  |
| --- | --- |
| SDS 333 | **3rd Week** |
|  | 14 September, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 3 | Dr. Fahim Vohra |
| **Articulators**(Chapter 3) |
| TOPICS:* Introduction
* Arcon vs. non-arcon (e.g. Whipmix & Hanau)
* Tooth Transverse Horizontal Axis relationship
* Registration of condylar movements.
 |

|  |
| --- |
| SIMULATION CLINIC NO. 5 |
| Mounting of upper and lower casts on the Whip Mix Articulator |

|  |
| --- |
| SIMULATION CLINIC NO. 6 |
| Continue: Mounting of upper and lower casts on the Whip Mix Articulator |

|  |  |
| --- | --- |
| SDS 333 | **4th Week** |
|  | 21 September, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 4  | **Dr. Fahim Vohra** |
| **Treatment planning for single-tooth restorations****(Chapter 6)** |
| TOPICS:* Factors affecting the selection of material and design consideration
	1. Destruction of tooth structure
	2. Esthetics
	3. Plaque control
	4. Financial consideration
	5. Retention
* Intra-coronal restoration
* Extra-coronal restoration
* Restoration longevity
 |

|  |
| --- |
| SIMULATION CLINIC NO. 7 |
| Fabrication of custom incisal guide table.  |

|  |
| --- |
| SIMULATION CLINIC NO. 8 |
| Fabrication of maxillary custom tray.  |

**HAJ HOLIDAYS**

**25-09-14 TO 11-10-14**

|  |  |
| --- | --- |
| SDS 333 | **5th Week** |
|  | 12 October, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 5  | Dr. Syed Rashid Habib |
| **Principles of tooth preparation**(Chapter 9) |
| TOPICS:* Preservation of tooth structure
* Retention and resistance (short overview)
* Structural durability
	1. Occlusal reduction
	2. Functional cusp bevel
	3. Axial reduction
* Marginal integrity: finish line configuration
* Preservation of the periodontium
* Preparation for full veneer crowns
* Indications
* Advantages/disadvantages
* Tooth preparation procedure
 |

|  |
| --- |
| SIMULATION CLINIC NO. 9 |
| DEMONSTRATION: Full veneer metal crown preparation of #46 |

|  |
| --- |
| SIMULATION CLINIC NO. 10 |
| Full veneer metal crown preparation of #46 |

|  |  |
| --- | --- |
| SDS 333 | **6th Week** |
|  | 19 October, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 6 | **Dr. Syed Rashid Habib** |
| **Retention and resistance and its theoretical and practical attainment**  (Chapter 9) |
| TOPICS:* Taper
* Length
* Freedom and displacement
* Substitution of internal features
* Path of insertion
 |
| **Quiz #1** |

|  |
| --- |
| SIMULATION CLINIC NO. 11 |
| Full veneer crown preparation of #37 |

|  |
| --- |
| SIMULATION CLINIC NO. 12 |
| Full veneer crown preparation of #35 |

|  |  |
| --- | --- |
| SDS 333 | **7th Week** |
|  | 26 October, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 7 | Dr. Haneef Sherfudhin |
| **Metal ceramic crown preparation**(Chapter 10. pp. 151-160) |
| TOPICS:* Definition of metal ceramic crown
* Advantages
* Indication and contraindication
* Steps in the preparation of anterior and posterior metal ceramic crown
* Types of facial finish margin used in metal ceramic crown preparation
 |

|  |
| --- |
| SIMULATION CLINIC NO. 13 |
| DEMONSTRATION: Metal ceramic crown preparation #11 |

|  |
| --- |
| SIMULATION CLINIC NO. 14 |
| Metal ceramic crown preparation of #11 |

|  |  |
| --- | --- |
| SDS 333 | **8th Week** |
|  | 2 November, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 8 | Dr. Ibrahim Shiddi |
| **Introduction to Ceramics and All ceramic crowns**(Chapter 10. pp.161-162 & Chapter 23. pp. 425-429) |
| TOPICS:* Evolution of All ceramic crowns
* Overview of Available all-ceramic systems
* Indications and contraindications
* Steps in the preparation of all ceramic crown
 |

|  |
| --- |
| SIMULATION CLINIC NO. 15 |
| Metal ceramic crown preparation #13 |

|  |
| --- |
| SIMULATION CLINIC NO. 16 |
| Metal ceramic crown preparation of #13 |

|  |  |
| --- | --- |
| SDS 333 | **9th Week** |
|  | 9 November, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 9 | Dr. Talal Nassar |
| **CAD/CAM restorations** |
| TOPICS:* Introduction to CAD/CAM
* Advantages and disadvantages
* Indications and contraindications
* Different available systems
* Steps in the preparation
 |

|  |
| --- |
| SIMULATION CLINIC NO. 17 |
| DEMONSTRATION: Preparation of all ceramic crown on tooth #21Preparation of all ceramic crown on tooth #21 |

|  |
| --- |
| SIMULATION CLINIC NO. 18 |
| Preparation of All ceramic crown on tooth #26 |

|  |  |
| --- | --- |
| SDS 333 | **10th Week** |
|  | 16 November, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 10 | Dr. Syed Rashid Habib |
| **Pontic Design**(Chapter 25 pp. 471-486) |
| TOPICS:* Definition
* Ideal requirement
* Different pontic designs
* Pontic materials
* Biological consideration
* Mechanical consideration
* Esthetic consideration
* Pontic modification
* Post-insertion hygiene
 |

|  |
| --- |
| SIMULATION CLINIC NO. 19 |
| Preparation of Metal Ceramic Crown # 21Preparation of dentoform for the Practical Exam # 1. |

|  |
| --- |
| SIMULATION CLINIC NO. 20 |
| **PRACTICAL EXAM #1** |

|  |  |
| --- | --- |
| SDS 333 | **11th Week** |
|  | 23 November, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 11 | Dr. Mohsin Ali |
| **Porcelain laminate veneers**(pp. 434-437) |
| TOPICS:* Introduction to all types of partial veneer crown preparation
* Indications and contraindications
* Advantages and disadvantages
* Materials and equipments
* Tooth preparation procedure
* Fabrication of provisional restoration
 |
| **QUIZ #2** |

|  |
| --- |
| SIMULATION CLINIC NO. 21 |
| DEMONSTRATION: Porcelain veneer preparation on tooth #13-23 |

|  |
| --- |
| SIMULATION CLINIC NO. 22 |
| CONTINUE: Porcelain veneer preparation on tooth #13-23 |

|  |  |
| --- | --- |
| SDS 333 | **12th Week** |
|  | 30 November, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 12 | Dr. Ibrahim Shiddi |
| **Impressions**(Chapter 17) |
| TOPICS:* Definition
* Ideal requirements of a good impression
* Comparison of impression materials:
* Wettability
* Viscosity
* Cost
* Custom trays
* Advantages and disadvantages of the commonly used impression materials in fixed prosthodontics (impression making of polyvinyl siloxane only)
* Disinfection of impressions
 |

|  |
| --- |
| SIMULATION CLINIC NO. 23 |
| DEMONSTRATION: Making Final Impression for tooth # 21.Making Final Impression for tooth # 21. |

|  |
| --- |
| SIMULATION CLINIC NO. 24 |
| Making Final Impression for tooth # 21.Filling of work authorization form.Submission of Impression to the Lab for Pindexing. |

|  |  |
| --- | --- |
| SDS 333 | **13th Week** |
|  | 7 December, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 13 | Dr. Fahim Vohra |
| **Working cast and dies**(Chapter 18) |
| TOPICS:* Requirements for a good cast
* Definition of a working cast and a die
* Basic working cast and die systems
	1. Working cast with a separate die
		+ Advantages and disadvantages
	2. Working cast with a removable die
		+ Advantages and disadvantages
		+ Requirements
		+ Technique of the pindex system
	3. Preparation of a die
 |

|  |
| --- |
| SIMULATION CLINIC NO. 25 |
| DEMONSTRATION: Pouring Final Impression, Pindexing.Preparation of all ceramic 3 unit FPD on tooth # 44 & 46. |

|  |
| --- |
| SIMULATION CLINIC NO. 26 |
| Preparation of all ceramic 3 unit FPD on tooth # 44 & 46. |

|  |  |
| --- | --- |
| SDS 333 | **14th Week** |
|  | 14 December, 2014 |

|  |  |
| --- | --- |
| LECTURE NO. 14 | Dr. Syed Rashid Habib |
| **Review** |
|  |

|  |
| --- |
| SIMULATION CLINIC NO. 27 |
| CONTINUE: Continue preparation of all ceramic 3 unit FPD on tooth # 44 & 46.Preparation of Dentoform for Practical Exam. |

|  |
| --- |
| SIMULATION CLINIC NO. 28 |
| **Practical Exam # 2** |

|  |  |
| --- | --- |
| SDS 333 | **15th Week** |
|  | 21 December, 2014 |

|  |
| --- |
| SIMULATION CLINIC NO. 29 |
| Catch Up Session. |

|  |
| --- |
| SIMULATION CLINIC NO. 30 |
| Catch Up Session. |

|  |  |
| --- | --- |
| SDS 333 | 28 December 2014 |
|  |  |

|  |
| --- |
|  |
|  |
| MID YEAR DIDACTIC EXAM |
|  |
|  |

|  |
| --- |
|  |
|  |
| MID YEAR BREAK |
|  |
|  |

2ND SEMESTER

|  |  |
| --- | --- |
| SDS 333 | **1st Week** |
|  | 25 January 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 15 | Dr. Hanif Sherfudhin |
| **Wax patterns**(Chapter 19) |
| TOPICS:* Direct technique
* Indirect technique
* Wax pattern fabrication
	1. Coping
	2. Axial contour and emergence profile
	3. Occlusal morphology
		+ Cusp to marginal ridge arrangement
		+ Cusp to fossa arrangement (only description, advantages and disadvantages (table 19-1)
	4. Margin finishing
 |

|  |
| --- |
| SIMULATION CLINIC NO. 31 |
| DEMONSTRATION: Die Trimming for Tooth # 21. |

|  |
| --- |
| SIMULATION CLINIC NO. 32 |
| CONTINUE: Die Trimming for Tooth # 21.Mounting of Working Cast. |

|  |  |
| --- | --- |
| SDS 333 | **2nd Week** |
|  | 1 February 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 16 | Dr. Hanif Sherfudhin |
| **Wax-up procedures, cut-back & framework designs for metal ceramic restoration**(pp. 449-457 & 486-490) |
| TOPICS:* Coping design
* Single coping wax pattern
* Design for metal ceramic FPD
 |

|  |
| --- |
| SIMULATION CLINIC NO. 33 |
| Wax up to Full contours # 21. |

|  |
| --- |
| SIMULATION CLINIC NO. 34 |
| Completion of Wax up to Full contours # 21. |

|  |  |
| --- | --- |
| SDS 333 | **3rd Week** |
|  | 8 February 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 17 | Dr. Syed Rashid Habib |
| **Investing and casting**(Chapter 20) |
| TOPICS:Investing Materials* Requirements of an investment material
* Shrinkage compensation

Gypsum bonded investmentPhosphate bonded investment* Sprue former attachment (diameter, length & location)
* Investing procedure & cleaning of casting
* Common casting defects and their causes
 |

|  |
| --- |
| SIMULATION CLINIC NO. 35 |
| Cut back for # 21. |

|  |
| --- |
| SIMULATION CLINIC NO. 36 |
| Completion of Cut back # 21. |

|  |  |
| --- | --- |
| SDS 333 | **4th Week** |
|  | 15 February 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 18 | Dr. Syed Rashid Habib |
| **Fitting, finishing and Cementation**(pp. 383- 395) |
| TOPICS:* Significance of finishing and polishing cast restorations
* Abrasives and polishing materials
* Preliminary finishing (Try-in) of metal restorations in sequence
	1. Proximal contacts
	2. Margins (completeness of seating)
	3. Occlusion
	4. Contours
	5. Esthetics
 |

|  |
| --- |
| SIMULATION CLINIC NO. 37 |
| Demonstration of Spruing, Investing and Casting, Finishing and Fitting of Coping, Porcelaing Build Up. |

|  |
| --- |
| SIMULATION CLINIC NO. 38 |
| Alginate impression for # 34-38. |

|  |  |
| --- | --- |
| SDS 333 | **5th Week** |
|  | 22 February 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 19 | Dr. Talal Nassar |
| **Provisional restorations / 1**(Chapter 15) |
| TOPICS:* Indication
* Types of prefabricated direct restoration for anterior and posterior teeth
* Techniques of using prefabricated provisional restoration for anterior and posterior teeth
* Fabrication of direct provisional restoration for an endodontically treated tooth
 |

|  |
| --- |
| SIMULATION CLINIC NO. 39 |
| DEMONSTRATION: Fabrication of polycarbonate crown on # 21 (Direct technique) |

|  |
| --- |
| SIMULATION CLINIC NO. 40 |
| DO: Fabrication of Provisional crown #16 (Direct technique) |

|  |  |
| --- | --- |
| SDS 333 | **6th Week** |
|  | 1 March 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 20 | Dr. Talal Nassar |
| **Provisional restorations / 2**(Chapter 15) |
| TOPICS:* Definition
* Ideal requirements of a good provisional restorations
* Types of provisional restorations prefabricated vs. custom restorations
* Direct, indirect and combination techniques: advantages & disadvantages
* Resins for provisional restorations
* Techniques for fabricating custom made provisional restorations (FPD)
* Cementation
 |
| **QUIZ #3** |

|  |
| --- |
| SIMULATION CLINIC NO. 41 |
| DEMONSTRATION: Custom made provisional restoration for tooth #35-37 by the indirect technique |

|  |
| --- |
| SIMULATION CLINIC NO. 42 |
| CONTINUE: Custom made provisional restoration for tooth #35-37 by the indirect technique |

|  |  |
| --- | --- |
| SDS 333 | **7th Week** |
|  | 8 March 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 21 | Dr. Syed Rashid Habib |
| **Preparation of metal coping for porcelain application**(pp. 457-458) |
| TOPICS:* Rationale of preparation
* Alloy surface treatment
* Oxidation
* Steps of preparation
 |

|  |
| --- |
| SIMULATION CLINIC NO. 43 |
| CONTINUE: Custom made provisional restoration for tooth #35-37 by the indirect technique |

|  |
| --- |
| SIMULATION CLINIC NO. 44 |
| CONTINUE: Custom made provisional restoration for tooth #35-37 by the indirect technique |

|  |  |
| --- | --- |
| SDS 333 | **8th Week** |
|  | 15 March 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 22 | Dr. Syed Rashid Habib |
| **Porcelain application, staining, glazing and polishing of metal ceramic restoration**(pp. 458-468) |
| TOPICS:Porcelain addition* Opaque porcelain application
* Dentin and enamel porcelain application
* Porcelain surface treatment
* Shade modification
* Chairside correction
 |

|  |
| --- |
| SIMULATION CLINIC NO. 45 |
| Custom made provisional restoration for tooth # 11-13 by indirect-direct technique. |

|  |
| --- |
| SIMULATION CLINIC NO. 46 |
| Custom made provisional restoration for tooth # 11-13 by indirect-direct technique. |

|  |
| --- |
| **MID 2nd SEMESTER BREAK** |

|  |  |
| --- | --- |
| SDS 333 | **9th Week** |
|  | 29 March 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 23 | Dr. Fahim Vohra |
| **Preparation for severely debilitated teeth**(Chapter 13 pp. 203-214) |
| TOPICS:* Principles of substitution
	1. Box forms
	2. Grooves
	3. Pins
* Bases and cores
* Modifications for damaged vital teeth
* Orthodontic adjuncts to restoring damaged teeth
	1. Regaining interproximal space
	2. Extrusion of teeth
 |

|  |
| --- |
| SIMULATION CLINIC NO. 47 |
| Custom made provisional restoration for tooth # 11-13 by indirect-direct technique. |

|  |
| --- |
| SIMULATION CLINIC NO. 48 |
| Completion of Custom made provisional restoration for tooth # 11-13 by indirect-direct technique. |

|  |  |
| --- | --- |
| SDS 333 | **10th Week** |
|  | 5 April 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 24 | **Dr. Fahim Vohra** |
| **Treatment planning for replacement of missing teeth**(Chapter 7) |
| Topics:* Selection of type of prosthesis:
1. RPD
2. Conventional FPD
3. Resin bonded FPD
4. Implant supported FPD
5. No prosthetic treatment
* Abutment evaluation:
1. Crown/root ratio
2. Root configuration
3. Periodontal ligament area
* Biomechanical considerations
* Special problems and management
	1. Pier abutments
	2. Treated molar abutments
	3. Canine replacement FPD
	4. Cantilever FPD
 |

|  |
| --- |
| SIMULATION CLINIC NO. 49 |
| **PRACTICAL EXAM # 3** **TOOTH PREP + PROVISIONAL** |

|  |
| --- |
| SIMULATION CLINIC NO. 50 |
| Catch Up |

|  |  |
| --- | --- |
| SDS 333 | **11th Week** |
|  | 12 April 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 25 | Dr. Haneef Sherfudhin |
| **Restoration of endodontically treated teeth / 1**(Chapter 13 pp. 222-225) |
| TOPICS:* Different Parapost system
* Components and its uses
* Custom cast dowel cores (direct/indirect)
* Procedure for preparation of custom dowel core
	1. Canal preparation
	2. Resin pattern fabrication
	3. Finishing and cementation of the custom dowel core
 |

|  |
| --- |
| SIMULATION CLINIC NO. 51 |
| DEMONSTRATION: Prefabricated post and amalgam build up on a posterior endodontically treated tooth.  |

|  |
| --- |
| SIMULATION CLINIC NO. 52 |
| Completion of prefabricated post and amalgam build up on a posterior endodontically treated tooth. |

|  |  |
| --- | --- |
| SDS 333 | **12th Week** |
|  | 19 April 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 26 | **Dr.** Haneef Sherfudhin |
| **Restoration of endodontically treated teeth / 2**(Chapter 13 pp. 222-225) |
| TOPICS:* Different Parapost system
* Components and its uses
* Custom cast dowel cores (direct/indirect)
* Procedure for preparation of custom dowel core
	1. Canal preparation
	2. Resin pattern fabrication
	3. Finishing and cementation of the custom dowel core
 |
| **QUIZ #4** |

|  |
| --- |
| SIMULATION CLINIC NO. 53 |
| **DEMONSTRATION:** Fabrication of Cast Post and Core on an endodontically treated teeth. |

|  |
| --- |
| SIMULATION CLINIC NO. 54 |
| Completion of Cast Post and Core on an endodontically treated teeth. |

|  |  |
| --- | --- |
| SDS 333 | **13th Week** |
|  | 26 April 2015 |

|  |  |
| --- | --- |
| LECTURE NO. 27 | **Dr. Syed Rashid Habib** |
| **Solder joints and other connectors**(Chapter 26 pp. 493-512) |
| TOPICS:* Definition
* Ideal requirements of dental solder
* Uses of dental solder
* Procedure of:
	1. Soldering a fixed partial denture
	2. Adding proximal contacts
	3. Repairing casting voids
	4. Soldering metal ceramic alloys
		+ Pre-veneer metal ceramic alloy soldering
		+ Post-veneer metal ceramic alloy soldering
 |

|  |
| --- |
| SIMULATION CLINIC NO. 53 |
| Mock Practical Exam |

|  |
| --- |
| SIMULATION CLINIC NO. 54 |
| Catch Up. |

|  |  |
| --- | --- |
| SDS 333 | **14th Week** |
|  | 3 May 2015 |

|  |
| --- |
| LECTURE NO. 28 Dr. Mohsin Ali |
| **Resin bonded fixed partial dentures**(Chapter 11: pp. 179-188) |
| TOPICS:* Historical background:
* Rochette bridge
* Maryland bridge
* Cast mesh FPD
* Virginia bridge
* Definition of resin bonded fixed partial dentures
* Advantages and disadvantages
* Indication and contraindication
* Tooth preparation
* Delivery
 |

|  |
| --- |
| SIMULATION CLINIC NO. 55 |
| Demonstration of Fiber post and tooth prep on endodontically treated tooth (prefabricated post with composite build up) |

|  |
| --- |
| SIMULATION CLINIC NO. 56 |
| Practice tooth preparation.Preparation of dentoform for final practical exam. |

|  |
| --- |
| FINAL PRACTICAL EXAMINATION |

|  |
| --- |
| Exact date/location will be determined at that time |
| FINAL WRITTEN EXAMINATION |