

## SDS 211 - Introduction to Dentures (Removable and Complete Dentures)

---

### COURSE OUTLINE

#### A. Complete Dentures Lectures

No.	Topics
1	Introduction to Prosthodontics and Course Outline
2	Oral anatomy in relation to complete denture prosthodontics
3	Principles of complete denture prosthodontics
4	Stock impression trays and construction of diagnostic casts
5	Custom impression trays and construction of master casts
6	Mandibular positions and jaw relations
7	Record blocks and jaw relation terminology for the edentulous patient
8	An introduction to articulators
9	Arrangement of anterior teeth
10	Arrangement of posterior teeth
11	Complete denture wax-up and flasking procedure
12	Deflasking of complete denture, lab remount
13	Rules of selective grinding and finishing, and polishing of the complete dentures
14	Denture repairs

**Lecture #1:** **Introduction to Prosthodontics and Course Outline.** [Reference: Textbook of Complete Dentures, Chapter (19), pp. 407]

- a. Introduction to the Course
- b. Terminology of prosthodontic terms
- c. Differences between natural and artificial dentition?
- d. Objectives of complete denture prosthodontics

**Lecture #2:** **Oral Anatomy in Relation to Complete Dentures Construction.** [Ref. Textbook of Complete Dentures, Chapter (1) pp. 1-6 & Chapter (8) pp. 223-225]

- a. Anatomical landmarks common to both maxillary and mandibular arches.
- b. Maxillary and anatomical landmarks
- c. Mandibular anatomical landmarks
- d. Primary stress-bearing areas
- e. Secondary stress-bearing areas
- f. Relief areas
- g. Valve seal areas
- h. Posterior palatal seal

**Lecture #3:** **Principles for Complete Denture Prosthodontics.** [Ref. Handout]

- a. Parts of the complete denture
- b. Denture retention and denture stability
- c. What are the displacing forces?
- d. What are the retaining forces available to counteract displacement?

**Lecture #4: Stock impression trays, and construction of diagnostic casts. [Ref.: Dental Laboratory Procedures, Chapter (2)]**

- a. Definition of trays
- b. Types of impression trays
- c. Requirements of an ideal impression tray
- d. Stock impression trays (classification and modification)
- e. Preliminary impressions
  1. Definition
  2. Materials used for
  3. Pouring the preliminary impressions (double-pour technique)
  4. Trimming of diagnostic casts

**Lecture #5: Custom impression trays and construction of master casts. [Ref.: Dental Laboratory Procedures, Chapters (3) & (4)].**

- a. Custom (special or individual) trays
  - i) Impression tray materials
  - ii) Close-fitting vs. spaced custom trays
- b. Technique of construction of autopolymerizing acrylic trays (finger-adapted dough method)
- c. Border molding and making final impressions
- d. Materials used for making final impressions
- e. Boxing final impressions
  - i) Wax boxing method
  - ii) Plaster of paris and pumice boxing method
- f. Pouring final impressions and trimming of master casts
- g. Indexing of master casts

**Lecture #6: Mandibular positions and jaw relations. [Ref.: Chapter 2; Fundamentals of Occlusion. In Fundamentals of Fixed Prosthodontics, 3<sup>rd</sup> ed. By Shillingburg, HT. Quintessence Books]**

- a. Mandibular movements in the frontal sagittal and horizontal planes.
- b. Anatomic determinants of mandibular movements.
- c. Mechanics of tooth contact relationships.

**Lecture #7: Record blocks and jaw relation terminology for the edentulous patient. [Ref.: Dental Laboratory Procedures, Chapter (5)]**

- a. Baseplates (Record bases)
  - i) Requirements
  - ii) Baseplate materials
  - iii) Technique of construction of autopolymerizing acrylic resin baseplate (sprinkle-on technique)
- b. Occlusion Rims
  - i) Guidelines drawn on the master casts
  - ii) Construction and specifications of maxillary occlusion rims.
  - iii) Construction and specifications of mandibular occlusion rims
  - iv) Uses of the record blocks
- c. Maxillomandibular relation terminology for the edentulous patient

**Lecture #8: Introduction to Articulators.** [Ref.: Textbook of Complete Dentures, Chapter (3), pp. 59-106 & 79-85]

- a. Definition
- b. Requirements
- c. Types of articulators
  - i) Simple hinge articulators
  - ii) Mean-value articulators (Bonwill Triangle)
  - iii) Adjustable articulators
    - Semi-adjustable articulators
    - Fully-adjustable articulators
    - Arcon and Non-arcon articulators
  - iv) Hanau articulator (Parts and Adjustments)

**Lecture #9: Arrangement of Anterior Teeth.** [Ref.: Dental Laboratory Procedures, Chapter (8) pp. 223-236]

- a. Position of teeth in relation to the alveolar ridge
- b. Labiolingual inclination
- c. Mesiodistal inclination
- d. Rotation of teeth and arch form
- e. Vertical overlap and horizontal overlap
- f. Incisal guidance
  - i) Definition
  - ii) Adjustment

**Lecture #10: Arrangement of Posterior Teeth.** [Ref.: Dental Laboratory Procedures, Chapter (8), pp. 260]

- a. Relation of teeth to the ridge crest of the master casts
- b. The orientation of the teeth
  - i) Axial inclinations of upper anterior teeth
  - ii) Axial inclinations of lower posterior teeth
- c. The neutral zone
- d. Balanced occlusion
  - i) Definition
  - ii) Factors affecting Balanced Occlusion
  - iii) Advantages of Balanced Occlusion
  - iv) Obtaining Balanced Occlusion with anatomic denture teeth

**Lecture #11: Complete denture wax-up and flasking procedure.** [Ref.: Textbook of Complete Dentures, Chapter (17), pp. 373-380]

- a. Waxing-up the trial denture
  - i) Objectives
  - ii) Requirements of the polished surface
  - iii) Stippling the waxed-up denture
- b. Flasking of complete dentures
  - i) Flasking procedure
  - ii) Application of separating medium
  - iii) Mixing the acrylic resin
  - iv) Packing the acrylic resin
  - v) Trial packing
  - vi) Processing of dentures – curing cycles

**Lecture #12: Deflasking of complete dentures and lab remount.** [Ref.: Textbook of Complete Dentures, Chapter (17), pp. 380-384]

- a. Flask ejector
- b. Removing the mold for the flask
- c. Removing the denture and cast for the mold
- d. Reasons of faulty occlusion in complete dentures
- e. Laboratory remounting

**Lecture #13: Rules of selective grinding, finishing, and polishing of the dentures. [Ref.: *Textbook of Complete Dentures, Chapter (18), pp. 389-400*]**

- a. Establish the occlusal vertical dimension in centric
- b. Refine the occlusion in eccentric positions
  - i) on the working side
  - ii) on the balancing side
  - iii) protrusive balance
- c. Preparation of the remount index
- d. Denture recovery
- e. Finishing and polishing of the denture
- f. Preparation of remount casts
- g. Mounting the maxillary remount cast and denture by the aid of the remount index

**Lecture #14: Denture Repairs. [Ref.: *Dental Laboratory Procedures, Chapter (13) & Handout*]**

- a. Causes of denture fracture
- b. Midline fracture of the mandibular denture
- c. Midline fracture of the maxillary denture
- d. Repair of a denture flange
- e. Repair of post-palatal seal
- f. Repair of fracture denture tooth or teeth

**B. Removable Partial Dentures**

No.	Topics
1	An introduction to Removable Partial Dentures
2	Components and functions of a removable partial denture
3	Classification of partially edentulous arches
4	Surveying of partially edentulous casts
5	Abutment teeth preparation (I. Posterior teeth preparation)
6	Abutment teeth preparation (II. Anterior teeth preparation)
7	Direct retainers (General considerations) & Suprabulge Direct Retainers
8	Infrabulge Direct Retainers
9	Indirect Retention
10	Major connectors (General considerations) Mandibular Major Connectors and Minor Connectors
11	Maxillary Major Connectors
12	Designing RPD and Writing the Laboratory Work Authorization
13	Laboratory Procedures for Making a Conventional RPD
14	Denture bases and teeth for RPD

**Lecture #1:** **Introduction to Removable Partial Dentures.** [Ref.: McCracken's *Removable Partial Prosthodontics, Chapter (1), pp. 1-7 & Chapter (12) pp. 251-258*]

- a. Epidemiology and patterns of tooth loss.
- b. Types of removable partial dentures
- c. Indications for fixed restorations
- d. Indications for removable partial dentures

**Lecture #2:** **Components and functions of a removable partial denture.** [Ref.: McCracken's *Removable Partial Prosthodontics, Chapter (5), pp. 35-39 & 58-67; Chapter (12) pp. 227-232*]

- a. The major components of a conventional removable partial denture
- b. Importance of diagnostic casts

**Lecture #3:** **Classification of partially edentulous arches.** [Ref.: McCracken's *Removable Partial Prosthodontics, Chapter (3), pp. 19-23*]

- a. Requirements of an acceptable method of RPD classification
- b. Kennedy classification of partially edentulous arches
- c. Applegate's modification for the Kennedy classification
- d. Tooth-supported vs distal-extension partial dentures

**Lecture #4:** **Surveying of partially edentulous casts.** [Ref.: McCracken's *Removable Partial Prosthodontics, Chapter (11), pp. 197-215*]

- a. Definition and objectives of surveying
- b. The component parts of a surveyor (Ney surveyor)
- c. Uses of the surveyor
- d. Tripoding the casts
- e. Step-by-step procedure of surveying the diagnostic cast
- f. Factors that determine the path of insertion

**Lecture #5: Abutment teeth preparation (I. Posterior teeth preparation).**

- a. Definition and functions of guide planes
- b. Preparation of guide planes
  - i) Guide planes on abutment teeth adjacent to tooth-supported edentulous areas
  - ii) Guide planes on abutment teeth adjacent to distal extension areas
- c. Definition of a rest
- d. Rest seat preparation
  - i) Functions of rests
  - ii) Requirements of rests
  - iii) Occlusal rest (mesial & distal and long occlusal rest)

**Lecture #6: Abutment teeth preparation (II. Anterior teeth preparation). [Ref.: McCracken's *Removable Partial Prosthodontics*, Chapter (6), pp. 77-95] & Chapter (14) pp. 296-297.**

1. Guide planes on anterior teeth
2. Rests on anterior teeth
  - a. Cingulum rests
    - i) Inverted "V" rests
    - ii) Ball rests
    - iii) Ledges (mesial and distal)
  - b. Incisal rests
3. Recontouring
  - i) Definition
  - ii) Reasons for recontouring
4. Dimpling

**Lecture #7: Direct Retainers. [Ref.: McCracken's *Removable Partial Prosthodontics*, Chapter (7), pp. 97-123]**

- a. Intra-coronal direct retainers
- b. Extra-coronal direct retainers
  - i) Basic requirements of clasps
  - ii) Factors that determine the amount of retention provided by a particular clasp arm
  - iii) Classification of extra-coronal direct retainers
  - iv) Suprabulge Direct Retainers
    - i) Types of suprabulge direct retainers
    - ii) Indications

**Lecture #8: Direct Retainers. [Ref.: McCracken's *Removable Partial Prosthodontics*, Chapter (7), pp. 123-132]**

- Infrabulge Direct Retainers.
  - a. Rules that apply to bar-type clasps
  - b. Advantages of bar-clasps
  - c. Indications of bar clasps
  - d. Contraindications of bar clasps
  - e. Types of bar clasps
  - f. RPI system
  - g. RPC system
  - h. Comparison between supra and infrabulge direct retainers

**Lecture #9: Indirect Retainers. [Ref.: McCracken's *Removable Partial Prosthodontics*, Chapter (8), pp. 143-151]**

- a. Definition
- b. Principles of indirect retention
- c. Ideal location of the indirect retainer
- d. Factors influencing the effectiveness of an indirect retainer
- e. Forms of indirect retainers

**Lecture #10: Major Connector I.** [Ref.: *McCracken's Removable Partial Prosthodontics, Chapter (5), pp. 35-48 & 58-62*]

- a. General Considerations
  - Definition of a major connector
  - General characteristics of major connectors
  - Location of major connectors
- b. Mandibular Major Connectors
  - Types of mandibular major connectors
  - Indications and contra-indications of each type of major connectors
- c. Minor Connectors
  - Functions of the minor connectors
  - Form and location of minor connectors
  - External and internal finish lines

**Lecture #11: Major Connectors II.** [Ref.: *McCracken's Removable Partial Prosthodontics, Chapter (5), pp. 48-73*]

- a. Types of maxillary major connectors
- b. Indications of use of each type of major connectors

**Lecture #12: Designing of removable partial denture and lab prescription or work authorization.** [Ref.: *McCracken's Removable Partial Prosthodontics, Chapter (10), pp. 173-190*]

- a. Designing RPD
  - i) Factors determining the selection of a major connector
  - ii) Factors determining the selection of a particular clasp type
  - iii) Clasps used for tooth-supported vs those for tooth-tissue supported RPD
  - iv) Selection of a denture base for tooth-supported vs tooth tissue supported RPD
  - v) Step-by-step procedure to design an RPD
- b. Laboratory Work Authorization
  - i) Purpose
  - ii) Contents
  - iii) Requirements

**Lecture #13: Laboratory procedures of making a conventional removable partial denture.** [Ref.: *McCracken's Removable Partial Prosthodontics, Chapter (18), pp. 377-425*]

- a. Drawing the RPD design on the master cast
- b. Beading the master cast
- c. Wax blockout of the master cast
- d. Duplication and construction of a refractory cast
- e. Waxing-up the metal framework on the refractory cast
- f. Spruing
- g. Investing
- h. Burnout of wax pattern
- i. Metal casting
- j. Finishing and polishing the metal framework

**Lecture #14: Denture base and teeth for removable partial dentures.** (Ref. McCracken's *Removable Partial Prosthodontics, Chapter (9) pp. 153-168, Textbook of Complete Dentures, Chapter (12), pp. 317-319*).

- a. Denture bases
  - i) Definition
  - ii) Types of denture base
  - iii) Acrylic resin denture bases – indications
  - iv) Acrylic resin denture bases – Advantages and Disadvantages
  - v) Metal denture bases – indications
  - vi) Metal denture bases – advantages and disadvantages
- b. Artificial Teeth
  - i) Anatomic teeth – advantages and disadvantages
  - ii) Non-anatomic teeth – advantages and disadvantages
  - iii) Acrylic teeth advantages and disadvantages
  - iv) Tube teeth - advantages and disadvantages
  - v) Metal pontics
  - vi) Acrylic teeth with gold occlusals



**Pre-Clinical Complete Dentures**  
**DIDACTIC COMPONENT (1 hour)**

Lecture	Week	Date	Lecture Topic	Lecturer
1	1 <sup>st</sup>	9-09-07	Introduction to Prosthodontics and discussion of the course outline (H <sub>1</sub> 1-9)	Dr. Hassaballa
2	2 <sup>nd</sup>	11-09-07	Oral anatomy in relation to complete denture Prosthodontics (H <sub>1</sub> 17-29)	Dr. Hassaballa
3	3 <sup>rd</sup>	16-09-07	Principles of complete denture Prosthodontics (H <sub>1</sub> 29-32)	Dr. Hassaballa
4	3 <sup>rd</sup>	30-09-07	Stock impression trays and construction of diagnostic casts (H <sub>1</sub> 51-63)	Dr. Hassaballa
5	4 <sup>th</sup>	21-10-07	Custom impression trays and construction of master casts (H <sub>1</sub> 65-86)	Dr. Hassaballa
6	5 <sup>th</sup>	23-10-07	Mandibular positions and jaw relations (H <sub>1</sub> 111-115)	Dr. Tashkandi
7	6 <sup>th</sup>	28-10-07	Record blocks and jaw relation terminology for the edentulous patients (H <sub>1</sub> 105-122)	Dr. Farraj
8	7 <sup>th</sup>	04-11-07	An introduction to articulators (H <sub>1</sub> 123-130)	Dr. Hassaballa
9	8 <sup>th</sup>	11-11-07	Arrangement of anterior teeth (H <sub>1</sub> 165-173)	Dr. Hassaballa
10	9 <sup>th</sup>	18-11-07	Arrangement of posterior teeth (H <sub>1</sub> 173-182)	Dr. Hassaballa
	10 <sup>th</sup>	25-11-07	<b>1st Assessment (Didactic)</b>	
11	11 <sup>th</sup>	09-12-07	Complete denture wax-up & flasking procedure (H <sub>1</sub> 193-212)	Dr. Hassaballa
12	12 <sup>th</sup>	6-01-08	Deflasking of dentures (H <sub>1</sub> 215-220)	Dr. Hassaballa
13	13 <sup>th</sup>	12-01-08	Principles of selective grinding & polishing of the dentures (H <sub>1</sub> 220-229)	Dr. Hassaballa
14	14 <sup>th</sup>	19-01-07	Denture repairs (H <sub>1</sub> 249-262)	Dr. Hassaballa
	15 <sup>th</sup>	26-01-07	<b>2nd Assessment (Didactic)</b>	

**READING REFERENCES:**H<sub>1</sub> Hassaballa & TalicH<sub>2</sub> Rahn & HeartwellR<sub>1</sub> Morrow-Rudd-Eismann (Volume I)

**Pre-Clinical Complete Dentures**  
**PRACTICAL COMPONENT**

WEEK	DATE	LABORATORY EXERCISE
1st	9-09-07	Orientation, Assignment of Instructors & Issuing of Instruments
	11-09-07	<u>Demonstration:</u> Preliminary impression making. Impression pouring with double pour technique & trimming of diagnostic casts > (R <sub>1</sub> 9-25) (H <sub>1</sub> 50-63)
2nd	16-09-07	<u>Demonstration:</u> Construction of custom trays with wax spacers & stops + (RPD trays to be shown). <u>Student Work:</u> Construction of custom trays with wax spacers and stops for maxillary casts. (R <sub>1</sub> 26-55) (H <sub>1</sub> 65-77)
	18-09-07	<u>Student Work:</u> Construction of custom trays with wax spacer and stops for mandibular casts.
3rd	30-09-07	<u>Demonstration:</u> Boxing and pouring of final impressions. (H <sub>1</sub> 81-86) <u>Demonstration:</u> Preparation of baseplates (record bases). <u>Student Work :</u> "do"
	02-10-07	<u>Student Work :</u> Preparation of baseplates (record bases) completion and finishing. (H <sub>1</sub> 87-96)
4th	21-10-07	<u>Demonstration:</u> Construction of occlusion rims + (Temporary RPD record blocks to be shown). (R <sub>1</sub> 90-145) (H <sub>1</sub> 105-110)
	23-10-07	<u>Student Work :</u> "do" Completion of wax maxillary and mandibular occlusion rims.
5th	28-10-07	<b>1st Practical Assessment</b> (Construction of custom trays)
	30-10-07	<u>Demonstration:</u> Face-bow transfer, mounting of maxillary & mandibular casts on Hanau articulator. (H <sub>1</sub> 130-131 & 143-147)
6th	04-11-07	<u>Student Work :</u> Face-bow transfer and mounting the maxillary cast.
	06-11-07	<u>Student Work :</u> Mounting the mandibular cast (R <sub>1</sub> - 147) (H <sub>1</sub> 147-149)
7th	11-11-07	<u>Demonstration:</u> Arrangement of maxillary anterior teeth.(R <sub>1</sub> 223-236) (H <sub>1</sub> 165-169) <u>Student Work :</u> "do"
	13-11-07	<u>Demonstration:</u> Arrangement of mandibular anterior teeth and setting of incisal guidance. (H <sub>1</sub> 169-173) <u>Student Work :</u> "do"

**Pre-Clinical Complete Dentures**  
**PRACTICAL COMPONENT (Cont'd)**

WEEK	DATE	LABORATORY EXERCISE
8th	18-11-07	<u>Demonstration:</u> Arrangement of maxillary posterior teeth. (R <sub>1</sub> 237-248) (H <sub>1</sub> 173-178) <u>Student Work:</u> "do"
	20-11-07	<u>Student Work :</u> Completion of the arrangement of maxillary posterior teeth.
9th	25-11-07	<u>Demonstration:</u> Arrangement of mandibular posterior teeth.
	27-11-07	<u>Student Work:</u> Completion of arrangement of mandibular posterior teeth arrangement.
10th	02-12-07	<u>Student Work:</u> Completion of arrangement of teeth and development of balanced occlusion.
	04-12-07	<b>2nd Practical Assessment (Construction of Record Bases)</b>
11th	09-12-07	<u>Demonstration :</u> Waxing-up of maxillary and mandibular dentures. <u>Student Work:</u> "do"
	11-12-07	<u>Student Work:</u> Completion of waxing-up of dentures.
12th	30-12-07	<u>Demonstration:</u> Flasking the maxillary denture. <u>Student Work :</u> "do"
	1-01-08	<u>Demonstration:</u> Flasking the mandibular denture. <u>Student Work :</u> "do"
13th	6-01-08	<u>Demonstration:</u> Wax elimination and packing of the acrylic resin. <u>Student Work :</u> "do"
	8-01-08	<u>Demonstration:</u> Deflasking and lab. remounting. <u>Student Work :</u> "do"
14th	12-01-08	<u>Demonstration:</u> Occlusal adjustment and selective grinding. <u>Student Work :</u> "do"
	14-01-08	<u>Demonstration:</u> Finishing and polishing of dentures. <u>Student Work :</u> "do"
15th	19-01-08	<u>Demonstration:</u> Denture repairs
	21-01-08	<u>Student Work :</u> Preparation of record blocks and mounting maxillary and mandibular casts for the 3rd Practical Assessment

**Pre-Clinical Removable Partial Dentures**  
**DIDACTIC COMPONENT (1 hour)**

Lecture	Week	Date	Lecture Topic	Lecturer
1	1 <sup>st</sup>	17-02-08	Introduction to Removable partial dentures	Dr. Hassaballa
2		19-02-08	Parts of removable partial denture and their functions	Dr. Hassaballa
3	2 <sup>nd</sup>	24-02-08	Classification of partially edentulous arches	Dr. Hassaballa
4	3 <sup>rd</sup>	2-03-08	Surveying	Dr. Hassaballa
5	4 <sup>th</sup>	9-03-08	Abutment teeth preparation & master casts a] Posterior teeth preparation	Dr. Hassaballa
6		11-03-08	Abutment teeth preparation & master casts b] Anterior teeth preparation	Dr. Hassaballa
7	5 <sup>th</sup>	16-03-08	Direct retainers (General considerations & suprabulge direct retainers)	Dr. Hassaballa
8	6 <sup>th</sup>	23-03-08	Infrabulge direct retainers	Dr. Hassaballa
9	7 <sup>th</sup>	30-03-08	Indirect retainers	Dr. Farraj
10	8 <sup>th</sup>	6-04-08	Major connectors (General considerations) Mandibular major connectors & minor connectors	Dr. Khalil
11	9 <sup>th</sup>	20-04-08	Maxillary major connectors	Dr. Khalil
12	10 <sup>th</sup>	27-04-08	Designing RPD	Dr. Al Baker
	11 <sup>th</sup>	3-05-08	<b>3rd Assessment (Didactic)</b>	
13	12 <sup>th</sup>	10-05-08	Laboratory procedure for making a metal RPD	Dr. Al Baker
14	13 <sup>th</sup>	17-05-08	Denture bases and teeth of RPD	Dr. Farraj

**Pre-Clinical Removable Partial Denture  
PRACTICAL COMPONENT**

Date	Lecture	Lecturer	Laboratory Exercise
<b>1st Week</b> 17-02-08	<b>Lecture #1</b> An Introduction to Removable Partial dentures	Dr. Hassaballa	1. Distribution of instruments. 2. Irreversible hydrocolloid impression of ivory jaw model. 3. Form diagnostic cast R <sub>3</sub> -pp 1,2,19
	<b>Lecture #2</b> Parts of RPD and their functions	Dr. Hassaballa	<u>Demonstration:</u> Construction of custom tray on the diagnostic cast. <u>Student Work:</u> "do" M. page 292-297
<b>2<sup>nd</sup> Week</b> 24-02-08	<b>Lecture #3</b> Classification of partially edentulous arches	Dr. Hassaballa	<u>Demonstration:</u> Surveying of cast #2. <u>Student Work:</u> "do"
			<b>3rd PRACTICAL ASSESSMENT (Arrangement of teeth for complete dentures)</b>
<b>3rd Week</b> 02-03-08	<b>Lecture #4</b> Surveying	Dr. Hassaballa	<u>Demonstration:</u> Preparation of rest seats on posterior plaster teeth. <u>Student Work:</u> "do"
			<u>Demonstration:</u> Preparation of rest seats on anterior plaster teeth. <u>Student Work:</u> "do"
<b>4th Week</b> 09-03-08	<b>Lecture #5</b> Abutment teeth preparation. Part I Posterior teeth preparation	Dr. Hassaballa	<u>Demonstration</u> 1. Surveying ivory jaw model. 2. Preparation of guide planes on posterior teeth.
	<b>Lecture #6</b> Abutment teeth preparation. Part II Anterior teeth preparation	Dr. Hassaballa	<u>Student Work</u> Preparation of guide planes on posterior teeth.

Reading References: M - McCracken  
R<sub>3</sub>- Morrow, Rudd and Eissman

**Pre-Clinical Removable Partial Denture  
PRACTICAL COMPONENT (Cont'd)**

<b>Date</b>	<b>Lecture</b>	<b>Lecturer</b>	<b>Laboratory Exercise</b>
<b>5th Week</b> 16-03-08	<b>Lecture #7</b> Direct retainers (General considerations & suprabulge direct retainers)	Dr. Hassaballa	<u>Demonstration.</u> Preparation of 1. Embrasure rest seats 2. Long occlusal rest seats 3. Recontouring for clasps <u>Student Work</u> 1. Embrasure rest seats 2. "do" 3. Recontouring for clasps
		Dr. Hassaballa	<u>Demonstration.</u> Preparation of 1. Embrasure rest seats 2. Long occlusal rest seats 3. Recontouring for clasps
<b>6th Week</b> 23-03-08	<b>Lecture #8</b> Infrabulge direct retainers	Dr. Hassaballa	<u>Demonstration</u> Preparation of anterior rest <u>Student Work</u> "do"
			<u>Demonstration</u> Preparation of anterior rest seats on ivorine teeth. <u>Student Work</u> Polishing of teeth.
<b>7th Week</b> <b>30-03-08</b>	<b>Lecture #9</b> Indirect retainers	Dr. Farraj	<u>Demonstration.</u> 1. Final impression of the jaw model with prepared teeth. 2. Pouring of master cast. <u>Student Work</u> Submission of master casts for grading.
			Practicing rest seat preparation on ivorine jaw model.
<b>8th Week</b> 16-04-08	<b>Lecture #10</b> Major connectors (Gen. considerations) mandibular major & minor connectors	Dr. Khalil	<b>4th Practical Assessment</b> (Guiding planes, rest seats and recontouring)
			<b>Revision</b>

**Pre-Clinical Removable Partial Denture  
PRACTICAL COMPONENT (Cont'd)**

<b>Date</b>	<b>Lecture</b>	<b>Lecturer</b>	<b>Laboratory Exercise</b>
<b>9th Week</b> 20-04-08	<b>Lecture #11</b> Maxillary major connectors	Dr. Khalil	Revision
			<u>Demonstration</u> 1. Surveying, Designing & prescription writing for cast #2. <u>Student Work</u> 2. Surveying & designing and prescription writing for cast #2 & #3.
<b>10th Week</b> 27-04-08	<b>Lecture #12</b> Designing RPD	Dr. Al Baker	<u>Demonstration.</u> Surveying, designing and prescription writing for casts #7 & #8.
			<u>Student Work:</u> "do"
<b>11th Week</b> 03-05-08	<b>3rd Assessment (Didactic)</b>		1. <u>Demonstration:</u> Wax block-out. 2. Demonstration in the main lab. * duplication of master cast * making the refractory cast * waxing-up of RPD framework * spruing * investing * casting * finishing & polishing
			<u>Demonstration:</u> Waxing-up of framework on refractory cast #1.
<b>12th Week</b> 10-05-08	<b>Lecture #13</b> Laboratory procedures for making a metal RPD	Dr. Al Baker	<u>Student Work:</u> 1. Waxing-up of framework on refractory cast #1. 2. Submission for grading.
			<b>Revision</b>

**Pre-Clinical Removable Partial Denture  
Practical component (Cont'd)**

<b>Date</b>	<b>Lecture</b>	<b>Lecturer</b>	<b>Laboratory Exercise</b>
<b>13th Week</b> 17-05-08	<b>Lecture #14</b> Denture base & teeth of removable partial dentures	Dr. Farraj	<u>Demonstration</u> 1. Students to be shown types of temporary and cast RPD's 2. Preparation of record blocks for conventional RPD. 3. Mounting and setting teeth for RPD
			<u>Student Work:</u> 1. Preparation of record blocks for conventional RPD. 2. Mounting and setting teeth for RPD.
<b>14th Week</b>			<b>5th Practical Assessment (Spotting)</b>
24-05-08			<u>Student Work:</u> Preparation of mounted maxillary and mandibular casts for final practical examination (arrangement of teeth for complete Dentures).
<b>15th Week</b> 31/05/08			<b>Final Practical Examination</b> (The exact date to be arranged)