



COURSE PLAN

FIRST: BASIC INFORMATION

College

College : Irbid College
 Department : Medical Department

Course

Course Title : Dental Ceramics Practice 2
 Course Code : **020813268**
 Credit Hours : 2 (0 Theoretical, 2 Practical)
 Prerequisite : **020813265***
 *Co-requisite

Instructor

Name :
 Office No. :
 Tel (Ext) :
 Email :
 Office Hours :

| Building | Day | Start Time | End Time | Room No. |
|----------|-----|------------|----------|----------|
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Text Book

Title Proffit, William R. (and others). Contemporary Orthodontics.2d ed. St. Louis: Mosby-Year Book, 1993.

References

1. Graber, Thomas M., and Vanarsdall, Robert L., Jr., eds. Orthodontics: Current Principles and Techniques.4th ed. St. Louis: Elsevier Mosby, 2005.
2. Dental laboratory technology: fixed and special prosthodontic and orthodontic appliances. Dept. of the Air Force, Headquarters US Air Force, 1999.
3. Proffit, William R. (and others). Contemporary Orthodontics.2d ed. St. Louis: Mosby-Year Book, 1993.

SECOND: PROFESSIONAL INFORMATION

COURSE DESCRIPTION

This course covers the practice of porcelain fused to a metal (PFM) crowns. This course provides methods of materials used for manufacturing PFM crown, porcelain build-up methods for anterior and posterior PFM crown, and methods for contouring, staining, glazing and polishing.

COURSE OBJECTIVES

The objectives of this course are to enable the student to do the following:

- Design the build-up body for porcelain fused to metal (PFM) crown.
- Perform the build-up and firing of porcelain for PFM crown.
- Perform the contouring for PFM crown.
- Perform the satin and glazing for PFM crown.
- Make PFM crown.

COURSE LEARNING OUTCOMES

By the end of the course, the students will be able to:

- CLO1. Design the build-up body for porcelain fused to metal (PFM) crown
 CLO2. Perform the build-up and firing of porcelain for PFM crown
 CLO3. Perform the Cut back for PFM crown
 CLO4. Perform the contouring for PFM crown
 CLO5. Perform the satin and glazing for PFM crown
 CLO6. Perform the grinding and polishing for PFM crown

COURSE SYLLABUS

| Week | Unit | Content | Related LO and Reference (Chapter) | Proposed assignments |
|------|---------------------------|--|------------------------------------|----------------------|
| 1 | Body Build-up | <ul style="list-style-type: none"> • Method of using enamel and dentin porcelain powder • Method for full body build-up of anterior teeth and posterior teeth • Method of firing enamel and dentin porcelain powder | CLO1 | |
| 2 | Anterior Build-up | <ul style="list-style-type: none"> • Build-up method considering the shape of anterior teeth • Color reproduction method of anterior teeth | CLO2 | |
| 3 | Anterior Shape Correction | <ul style="list-style-type: none"> • Method of build-up contouring (Cut back) • Method of using of equipment used for cut back | CLO3 | |
| 4 | Anterior Incisal Build-up | <ul style="list-style-type: none"> • Method of build-up incisal and translucent layer • Method of firing translucent porcelain powder | CLO2 | |
| 5 | Anterior Shape Contouring | <ul style="list-style-type: none"> • Anterior shape contouring method • Method of using of equipment used for contouring | CLO4 | |
| 6 | Anterior Stain | <ul style="list-style-type: none"> • Anterior symbol and color reproduction method • Types of stains and methods of using • Method of using equipment used for | CLO5 | |

| Week | Unit | Content | Related LO and Reference (Chapter) | Proposed assignments |
|-----------|----------------------------------|--|------------------------------------|----------------------|
| | | stain | | |
| 7 | Anterior Glazing | <ul style="list-style-type: none"> Types of anterior glazing and method of using Method of using equipment used for glazing | CLO5 | |
| 8 | Midterm Exam | | | |
| 9 | Posterior Build-up | <ul style="list-style-type: none"> Build-up method considering the shape of posterior teeth Color reproduction method of posterior teeth | CLO2 | |
| 10 | Posterior Shape Correction | <ul style="list-style-type: none"> Method of build-up contouring (Cut back) Method of using of equipment used for cut back | CLO3 | |
| 11 | Occlusal build up | <ul style="list-style-type: none"> Types and methods of occlusal build-up Method of firing porcelain powder | CLO2 | |
| 12 | Posterior Shape Contouring | <ul style="list-style-type: none"> Posterior shape contouring method Method of using of equipment used for contouring | CLO4 | |
| 13 | Posterior Stain | <ul style="list-style-type: none"> Posterior symbol and color reproduction method Types of stains and methods of using Method of using equipment used for stain | CLO5 | |
| 14 | Posterior Glazing | <ul style="list-style-type: none"> Types of posterior glazing and method of using Method of using equipment used for glazing | CLO5 | |
| 15 | PFM Crown Grinding and Polishing | <ul style="list-style-type: none"> Grinding and polishing method for metal parts of PFM crowns Method of using equipment used for grinding and polishing | CLO6 | |
| 16 | Final Exam | | | |

COURSE LEARNING RESOURCES

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**ONLINE RESOURCES**

www.padental .org
 www.ncb.nlm.nih.gov
 www.pedental.org

ASSESSMANT TOOLS

| grading distribution table evaluation activity | |
|---|------|
| homework | 5 |
| report | 5 |
| Queses | 10 |
| mid term exam | 20 |
| Experience/Attendance/Participation | 10 |
| final exam | 50 |
| Total | 100% |

THIRD: COURSE RULES**ATTENDANCE RULES**

Attendance and participation are extremely important, and the usual University rules will apply. Attendance will be recorded for each class. Absence of 10% will result in a first written warning. Absence of 15% of the course will result in a second warning. Absence of 20% or more will result in forfeiting the course and the student will not be permitted to attend the final examination. Should a student encounter any special circumstances (i.e. medical or personal), he/she is encouraged to discuss this with the instructor and written proof will be required to delete any absences from his/her attendance records.

GRADING SYSTEM**Example:**

| Grade | Points |
|---------------|---------------|
| FAILED | 0-49 |
| PASSED | 50-100 |

REMARKS

{The instructor can add any comments and directives such as the attendance policy and topics related to ethics }

COURSE COORDINATOR

Course Coordinator:
Signature:
Date:

Department Head:
Signature:
Date: