



Jordan University of Science and Technology
 Faculty of Applied Medical Sciences
 Department of Applied Dental sciences
 First Semester, 2016/2017
 Course Syllabus

Course Information	
Course Title	esthetic Prosthodontics I Practical
Course Code	TDEN463
Co-requisites	TDEN461
Time	9:45 - 12:45 12:45 - 3:45
Place	Dental Technology Laboratory
Course coordinator	Dr. Abdel Rahim Bibars
Office Location	M5 level -1
Office Phone #	
E-mail	abd.baibars@gmail.com

Course Description
<p>This course is designed to the undergraduate students at the fourth year and it is two credit hour course (Practical). It provides the dental technology students with the practical skills on the fabrication of the adhesive retained restorations, and expose the students to the current free metal restoration systems available.</p>

Textbook	
Title	<ol style="list-style-type: none"> 1. Adhesive metal-free restorations : current concepts for the esthetic treatment of posterior teeth 2. Esthetics of anterior fixed prosthodontics 3. The science and art of porcelain laminate veneers
Author(s)	<ol style="list-style-type: none"> 1. Dietschi, Didier 2. Chiche, Gerard J. 3. Gèurel, Galip.
Publisher	1,2 and 3: Quintessence Publishing
Year	<ol style="list-style-type: none"> 1- 1997 2- 1994 3- 2003
Edition	1st Edition
Other references	Lectures

Assessment		
Assessment	Expected Due Date	Percentage
Continuous assessment	Throughout the semester	80%
Final practical Exam	Week 13	20%

Course Objectives	Percentage
1. Provide the students with the necessary knowledge required to fabricate adhesive retained restoration	50%
2. Provide hands-on training on the various aspects of the technical work involved in the fabrication systems	35%
3. Familiarize the students with the currently available new technology CAD/CAM.	15%

Teaching & Learning Methods
<p>The practical side consists of two laboratory sessions every week. Each laboratory exercise will start by a brief review of the theoretical side and then is followed by a practical demonstration of the laboratory side by a senior instructor. Students will then perform the laboratory work as assigned in the laboratory program. In order to expose the students to the free metal ceramic systems available in Jordan.</p> <p>Teaching duration:</p> <ul style="list-style-type: none"> • Duration: 13 weeks

Learning Outcomes: Upon successful completion of this course, students will be able to		
	Related Objective(s)	Reference(s) Handouts
	Understand the principles of all ceramic restorations	Different systems in the fabrication of dentine bonded crowns and bridges
	Be familiar with the different techniques used in the fabrication of all ceramic restorations	Porcelain laminate veneers (PLV) Dentine-bonded crowns
	Differentiate between the systems utilized to fabricate all ceramic restorations	Porcelain laminate veneers Dentine-bonded crowns Pressable ceramic (IPS Impress emax)
	Understand and be able to work with the new materials and how to control the tooth shade and translucency.	Porcelain Laminate Veneers IPS Impress emax

	Understanding the indications and treatment planning for Laminate veneers	Introduction into porcelain laminate veneer (PLV) : preoperative Evaluation, indications and treatment planning
	Able to complete all ceramic restorations such as porcelain laminate veneers, onlays, inlays, IPS-Empress crown	<ul style="list-style-type: none"> ▪ Ceramic Onlay/Inlay ▪ Porcelain laminate veneers ▪ Laboratory work

Additional Notes
<p><u>Attendance policy:</u></p> <ul style="list-style-type: none"> ▪ Students are expected to attend all more than 90% of labs ▪ All absences will be entered electronically into the University site ▪ If absence exceeds than 20% student will be banned from the course after electronic notification from the university through student e-mail. <p><u>Expected workload:</u> Students are expected to take every effort to ensure satisfactory learning of the material given.</p> <p><u>Feedback:</u> Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail to the following address abd.baibars@gmail.com</p>

Course Content (Practical)			
Week	Date	Practical Step / procedure	Supervisor
1	28-9-2016	Cast and Die preparation <i>Group 1 and Group 2</i>	Dr. Abdel rahim Bibars + Dental technicians
2	5-10-2016	Waxing of Anterior resin bonded bridge , Making Impressions for central ,lateral and onlay Group 1	Dr. Abdel rahim Bibars + Dental technicians
3	12-10-2016	Waxing of Anterior resin bonded bridge Making Impressions for central ,lateral ,onlay Group 2	Dr. Abdel rahim Bibars + Dental technicians
4	19-10-2016	Spruing for Anterior Maryland Bridge and Degassing , sealing of Central ,lateral ,onlay Waxing for Premolar of Group 1	Dr. Abdel rahim Bibars + Dental technicians
5	26-10-2016	Spruing for Anterior Maryland Bridge and Degassing , sealing of Central ,lateral ,onlay	Dr. Abdel rahim Bibars + Dental technicians

Waxing for Premolar of Group 2			
6	2-11-2016	Fitting and Finishing of Anterior Bridge Spruing of Premolar Group1	Dr. Abdel rahim Bibars + Dental technicians
7	9-11-2016	مؤتمر	Dr. Abdel rahim Bibars + Dental technicians
8	16-11-2016	Fitting and Finishing of Anterior Bridge Spruing of Premolar Group2	Dr. Abdel rahim Bibars + Dental technicians
9	23-11-2016	Porcelain Buildup of Central veneer ,Glaze ,Fitting and finishing of Group 1	Dr. Abdel rahim Bibars + Dental technicians
10	30-11-2016	Porcelain Buildup of Central veneer , Glaze ,Fitting and finishing of Group 2	Dr. Abdel rahim Bibars + Dental technicians
11	7-12-2016	Porcelain Buildup of Onlay ,Glaze ,Fitting and Finishing of Group 1	Dr. Abdel rahim Bibars + Dental technicians
12	14-12-2016	Porcelain Buildup of Onlay, Glaze, Fitting and Finishing of Group 2	Dr. Abdel rahim Bibars + Dental technicians
13	21-12-2016	Fitting , Finishing and Glazing of Premolar for Group 1 and Group 2	Dr. Abdel rahim Bibars + Dental technicians

Continuous Assessment Sheet

Step and criteria		Marks	Total
Working cast and dies preparation (20)			/20
1...	Prepared dies		
A.	smooth	/1	
B.	Finish line and dies spacer	/5	
C.	Easily removed and parallel dies	/2	
2...	Unprepared dies		
A.	smooth	/1	
B.	Easily removed and parallel dies	/2	
3...	Cast		
A.	Pins type and position	/2	
B.	No damages or broken parts	/1	
C.	Width and height of cast	/2	
D.	Horse shaped cast	/1	
4...	Base		
A.	Stable with die	/2	
B.	smooth	/1	

Anterior Maryland bridge (25)			/25
1...	Retainers		
A.	Margin	/4	
B.	Thickness	/2	
C.	smooth	/2	
D.	Hocks	/3	
2...	Pontic		
A.	Design (B & L) modified ridge lab	/2	
B.	morphology	/1	
C.	Smooth with arch	/2	
D.	Butt joint	/2	
3...	connectors		
A.	U-shaped	/2	
B.	Position	/2	
C.	Thickness	/2	
D.	smooth	/1	
Anterior Maryland bridge finishing (20)			/20
1...	Fitting		
A.	Margin	/4	
B.	No rocking	/2	
C.	Not loose	/2	
2...	Finishing		
A.	Retainers	/6	
B.	Pontic	/4	
C.	connectors	/2	
Waxing premolar (10)			/10
1	Contour	/2	
2	Margin	/2	
3	Morphology	/2	
4	Contact	/2	
5	Smooth	/2	
Fitting and finishing premolar (10)			/10
1...	Fitting		
A.	Margin	/4	
B.	Not loose	/1	
2...	Finishing		
A.	Smooth	/1	
B.	Contact	/2	
C.	Contour	/2	
Porcelain buildup for veneer (15)			15
1	Fitting	/2	
2	Margin	/4	
3	Contour	/2	
4	Shade	/2	
5	Smooth and glaze	/2	

6	Errors, cracks and pits	/1	
7	Morphology	/2	
Porcelain build up for onlay (20%)			/20
1	Fitting	/2	
2	Margin	/4	
3	Contour	/4	
4	Smooth and glaze	/2	
5	shade	/2	
A.	Smooth and glaze	/2	
B.	Errors, cracks and pits	/2	
C.	Contact point	/2	
Total			/120
Final Grade out 80 (Total × 80/120 × 100%)			/80%