



**Jordan University of Science and Technology**

**Faculty of Applied Medical Sciences**

**Department of Applied Dental Sciences**

**First Semester 2016/2017**

<b>Course Information</b>	
Course Title	Fundamentals of Dental Technology Practical
Course Code	TDEN 209
Credit Hours	1
Course Coordinator	Dr. Zeid Al-Hourani
Teaching Assistants	Dental Technicians in Dental Technology Laboratory
Location	M4203
Day/ Time	Tuesday/ 12:15- 1:15
Contact	<a href="mailto:zahorani@just.edu.jo">zahorani@just.edu.jo</a>
Office N°	26948
Office Hours	

<b>Course Description</b>
<p>This is an undergraduate Second year students course, 1credit Practical hour. It is designed to provide the students with :</p> <ul style="list-style-type: none"> <li>• The basic technical skills needed to fabricate acrylic removable dentures.</li> <li>• A solid practical background relevant to technical and clinical aspects of constructing removable dentures.</li> <li>• Basic Skills for repairing and relining complete and partial removable dentures</li> </ul>

<b>Textbook</b>	
Title	Basics of Dental Technology: A Step by Step Approach
Author(s)	Tony Johnson, David Patrick, Christopher Stokes et al
Publisher	Wiley Blackwell
Year	2015
Edition	2 <sup>nd</sup>
Book Website	None
Other references	Title: Techniques in complete denture technology. Author: Johnson, Tony (Anthony Phillip) Publication: Wiley-Blackwell, Chichester, West Sussex, UK ; Ames, Iowa : 2012.

Assessment		
Assessment	Date	Percentage
Lab. Continuous Assessment	Throughout the semester	60%
Final Exam**	To be Announced	40%
Make Up Exams*		

**\*تنص المادة (٨) /فقرة (٧) على:**  
كل من يتغيب عن امتحان فصلي معلن عنه بدون عذر قهري أو مرضي يقبل به عميد الكلية التي تطرح المساق يوضع له (صفر) في ذلك الإمتحان، و يحسب في العلامة النهائية المستحقة لذلك المساق.

**\*\*تنص المادة (٨) /فقرة (٨) على:**  
إذا تغيب الطالب عن موعد الإمتحان النهائي فعليه تقديم عذر تغيبه الرسمي عن الإمتحان في موعد أقصاه اسبوعين من موعد الإمتحان النهائي، و لعميد الكلية المعني النظر في اعتماد أو عدم اعتماد عذر الطالب عن الإمتحان النهائي خلال مدة أقصاها أسبوع من بداية الفصل اللاحق للفصل الذي درس فيه الطالب المساق بما في ذلك الفصل الدراسي الصيفي (إذا كان الطالب مسجلاً للفصل الصيفي).

Course Objectives	
Objective	Percentage
Provide students with sufficient practical information regarding the anatomical landmarks in the denture bearing area on gypsum models.	20%
Provide the students with sufficient background about technical procedures involved in constructing removable acrylic dentures.	30%
Provide students with practical problems in the various steps involved in the fabrication of acrylic dentures and the way to avoid and overcome them.	30%
Stress on the importance of teamwork and communications with the dentist.	20%

Teaching and Learning Methods
<ul style="list-style-type: none"> <li>Students are required to attend a 3 hour laboratory session each week. Teaching staff will carry practical demonstration and comment on videos to enhance the gaining of required practical skills.</li> <li>Students will be assigned to work in groups in order to enhance teamwork and critical thinking in order to come up with solution for certain problems facing the work of fabricating removable dentures.</li> </ul>

Additional Notes
<p><b><u>Attendance policy:</u></b></p> <ul style="list-style-type: none"> <li>Students are expected to attend more than 90% of lectures.</li> <li>Each student is expected to sit in his numbered seat</li> <li>Empty seat will be counted as absent</li> <li>All absences will be entered electronically into the University site</li> <li>If absence is more than 10% student will be notified in this regard</li> <li>If absence exceeded 20% the students will be withdrawn from the course</li> </ul> <p><b><u>Expected workload:</u></b></p> <ul style="list-style-type: none"> <li>Students are expected to take every effort to ensure satisfactory learning of the material</li> </ul>

given.

**Feedback:**

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:

[zahorani@just.edu.jo](mailto:zahorani@just.edu.jo)

Course Content		
Week	Date	Title
1.	26/09/2016	Introduction to dental technology lab
2.	03/10/2016	Pouring of impression & cast preparation I
3.	10/10/2016	Pouring of impression & cast preparation II
4.	17/10/2016	Construction of custom-made tray 1
5.	24/10/2016	Construction of custom-made tray 2
6.	31/10/2016	Construction of custom-made tray 3
7.	07/11/2016	Construction of base plate (shellac)
8.	14/11/2016	Construction of base plate (acrylic) 1
9.	21/11/2016	Construction of base plate (acrylic) 2
10.	28/11/2016	Dealing with wax I
11.	05/12/2016	Dealing with wax II
12.	12/12/2016	Construction of occlusal rims 1
13.	19/12/2016	Construction of occlusal rims 2
14.	26/12/2016	Basic Principles of Teeth Selection
15.	02/01/2017	Catch-Up session
16.	TBA	Final Practical Exam