

**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Department of Applied Dental Sciences**  
**First Semester 2016/2017**

<b>Course Information</b>	
<b>Course Title</b>	Fixed Prosthodontics II
<b>Course Number</b>	TDEN331
<b>Prerequisites</b>	TDEN232
<b>Course coordinator</b>	Maha Alomari, BSc, MDSc
<b>Office Location</b>	Faculty of Applied Medical Sciences/ 2 <sup>nd</sup> floor
<b>Office Phone</b>	02/ 7201000 ext. (26944)
<b>Office Hours</b>	TBA
<b>Email</b>	maalomari2@just.edu.jo
<b>Teaching Assistants</b>	Supervisors of dental technology laboratory
<b>Course Description</b>	
<p>This course is designed to the undergraduate students at the third year and it is one Credit hour (1Cr Theoretical). The course will provide the students with a theoretical background which includes explanations to technical and clinical aspects of metal ceramic fixed prostheses.</p>	
<b>Feedback</b>	
<p>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</p>	

<b>Text Book</b>	
<b>Title</b>	Contemporary Fixed Prosthodontics
<b>Author(s)</b>	Rosentiel S F, Land M F & Fujimoto J.
<b>Publisher</b>	Mosby
<b>Year</b>	2006
<b>Edition</b>	4 <sup>th</sup>
<b>Other References</b>	<p>1. Makoto Yamamoto. 1985. Metal Ceramics: Principles and methods of Makoto Yamamoto. 2<sup>nd</sup> Edition. Quintessence</p> <p>2. Shillingburg H T <i>et al.</i> 1997. Fundamentals of Fixed Prosthodontics. 3<sup>rd</sup> Edition. Quintessence</p>

<b>Course Objective</b>		<b>Weights</b>
To provide the students with sufficient theoretical background to guide them while constructing the metal-ceramic fixed partial dentures and crowns		100%
<b>Assessment Policy</b>		
Assessment Type and Expected Due Date	Weight	
Theory First Exam Week 5 (Wednesday 2/11/2016)	30%	
Theory Second Exam Week 10 (Wednesday 30/11/2016)	30%	
Theory Final Exam	40%	

<b>Teaching &amp; Learning Methods</b>
There will be a weekly lecture for 1 hour <ul style="list-style-type: none"> <li>- PowerPoint presentations</li> <li>- Handouts</li> </ul>

<b>Course Content (Theory)</b>			
<b>Date/ Week</b>	<b>Topic</b>	<b>Chapter in Text / handouts</b>	<b>Lecturer</b>
<b>Week 1 25/9</b>	Wax pattern – framework design for Metal Ceramic Restoration (MCR)	Sections in chapters 18 + 19	Maha Alomari
<b>Week 2 2/10</b>	<b>Holiday</b>		
<b>Week 3 9/10</b>	Pontic design of MCR	Chapter 20	Maha Alomari
<b>Week 4 16/10</b>	MCR fabrication – Metal preparation	Chapter 24	Maha Alomari
<b>Week 5 23/10</b>	Material science of porcelain & porcelain application I	Chapter 24	Maha Alomari
<b>Week 6 30/10</b>	<b>FIRST EXAM</b>	<b>Study Hard</b>	Maha Alomari
	Porcelain application II & porcelain labial margin	Chapter 24	Maha Alomari
<b>Week 7 6/11</b>	Colour-replication process & aesthetic I	Chapter 23****	Maha Alomari
<b>Week 8 13/11</b>	Colour-replication process & aesthetic II	Chapter 23****	Maha Alomari

<b>Week 9</b> 20/11	Communicating with the dental laboratory & porcelain troubleshooting	Chapter 16 Chapter 24	Maha Alomari
<b>Week 10</b> 27/11	<b>SECOND EXAM</b>	<b>Study Hard</b>	Maha Alomari
	Material selection for MCR – Metal, casting alloy, investment & porcelain	Sections in chapters 19 + 22 + 24	Maha Alomari
<b>Week 11</b> 4/12	Porcelain-Alloy bonding	Chapter 24 + handouts*	Maha Alomari
<b>Week 12</b> 11/12	<b>Holiday</b>		
<b>Week 13</b> 18/12	Porcelain condensation	Chapter 4 (Yamamoto)	Maha Alomari
<b>Week 14</b> 25/12	<b>Holiday</b>		
<b>Week 15</b>	<b>FINAL EXAM</b>		Maha Alomari

\* summarization from Yamamoto, M (1985)- Chapter 1

\*\* summarization from Yamamoto, M (1985)- Chapter 3

\*\*\* With extra information in the handouts

<b>Additional Notes</b>	
<b>Exams</b>	Students are required to sit for the 3 semester theory exams (first, second and final).
<b>Cheating</b>	Cheating during exam will result in dismissal from the exam hall and the student will be penalized according to JUST regulations.
<b>Attendance</b>	- JUST requires the faculty member to assign ZERO grade (35%) if a student misses 20% of the classes. - Sign in sheet will be distributed at the beginning of the lecture. - Questions are welcome during lectures.
<b>Assessment</b>	Assessment policy is subject to change because those changes might occur during the semester.