



# COURSE OUTLINE

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**Course Name:** Removable Prosthetics 2

**Department Head/Coordinator:** Allan White

**Effective Date:** September 2015

<b>School or Centre:</b>		<b>Department:</b>	
School of Health Sciences		Denturist/Dental Technology Department	
<b>Course History:</b>		<b>Year of Study:</b>	
Replacement Course		2nd Year Post-secondary	
<b>Name of Replacing Course (if applicable):</b>	DENT 3001, DENT 3002	<b>Course Number:</b>	DENT 2340
		<b>Number of Credits:</b>	6.0

## Course Pre-requisites (if applicable):

All semester two courses.

## Course Co-requisites (if applicable):

DENT 2320

## PLAR (Prior Learning Assessment & Recognition)

No  Yes (details below):

## Course Description:

In this course students will fabricate various types of partial dentures, including those that are implant-supported. Cases will include removable partial and full dentures, cast metal partial dentures as prescribed to a given variety of situations and degrees of difficulty. Maxillofacial prostheses will also be discussed, including the fabrication of an obturator prosthesis. Students are assessed to level 2 production proficiency standards.

**Note to instructors:** An instructional strategy is an approach that an instructor uses to achieve the learning outcomes (e.g., lecture, case study, video, group work).

### **Instructional Strategies:**

Lectures, seminars, demonstrations, case study analysis, project work and practice in labs

### **Course Learning Outcomes:**

Upon successful completion of this course, the student will be able to:

1. Assess the fundamental elements of dental anatomy, dental physiology, dental morphology and basic elements of oral pathological conditions and apply relevant knowledge to dental technology practice;
2. Practice to current workplace health and safety standards including dental laboratory asepsis, and infection control;
3. Apply essential elements and skills of behavioural sciences, communications, professional ethics, legal obligations and business management to dental technology practice;
4. Make decisions that reflect critical thinking and problem solving;
5. Integrate pertinent theoretical knowledge and empirical data and information literacy skills to justify and/or revise services;
6. Select and utilize the semi and fully adjustable articulator;
7. Utilize various facebows and earbows with articulators during the fabrication of removable prosthesis.
8. Apply, critique and problem solve all stages of denture fabrication from the time that the impression is received in the laboratory to the delivery of the prosthetic;
9. Assess reasons for and design and fabricate immediate dentures;
10. Discuss the rotational path of insertion of removable partial dentures including principles of application;
11. Fabricate cast partial denture and complete dentures;
12. Design removable implant- retained denture prostheses;
13. Perform at the Industry Production proficiency level 2.

### **Program Learning Outcomes:**

The graduate of the VCC Dental Technology program will have the skills and abilities to:

1. Design, fabricate, modify and repair removable oral/dental prostheses;
2. Design, fabricate, modify and repair fixed oral/dental prostheses;
3. Design, fabricate, modify and repair oral/dental appliances used in orthodontics, oral and maxillo-facial surgery and other dental treatments;
4. Integrate general knowledge of dental laboratory procedures, physics and chemistry principles, associated with the fabrication of oral appliances and dental restorations;
5. Assess the characteristics and properties of dental materials associated with the fabrication of oral appliances and dental restorations and make decisions about their appropriate application in practice;
6. Assess the characteristics and operation of equipment and special instrumentation associated with the fabrication of oral appliances and dental restorations and make decisions about their appropriate application in practice;
7. Assess the fundamental elements of dental anatomy, dental physiology, dental morphology and basic elements of oral pathological conditions and apply relevant knowledge to dental technology practice;
8. Practice to current workplace health and safety standards including dental laboratory asepsis, and infection control;
9. Apply essential elements and skills of behavioural sciences, communications, professional ethics, legal obligations and business management to dental technology practice;
10. Make decisions that reflect critical thinking and problem solving; integrate pertinent theoretical knowledge and empirical data and information literacy skills to justify and/or revise services.

**Evaluation/Grading System** *(Click on drop down box arrows to see list of options)*

Grading System	Specify if 'Other':	Specify Passing Grade:
Letter Grades		C+ 64%

**Components and Weighting of the Assessment/Evaluation Plan:** *(Click on drop down box arrows to see list of options)*

Type	Percentage	Evaluation Plan (provide a brief explanation for each component especially if value exceeds 35%):
Midterm Exam	35	Multiple choice, short and long answer
Assignments	30	Written case study
Final Exam	35	Written exam multiple choice, short and long answer
Lab Work		Practical Projects (x5) Grade will be Satisfactory (S) or Unsatisfactory (U) utilizing competency rubrics
		Students must earn an "S" grade in all projects to pass this course
	<b>Total</b>	<b>100</b>

**Learning Environment/Type** *(Select all that are used within the course)*

Instruction Type	Hours Per Instruction Type	Comments
B - Lab (Computer, Chemistry...)	120	
L - Classroom	45	
E - Seminar	15	
<b>Enter Total Hours</b>	<b>180</b>	

**Resource Material(s):**

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.

**Course Topics and Sequence Covered:**

Principles and concept of semi adjustable and fully adjustable articulator  
Facebows and earbows  
Rotational path of insertion  
Fabrication of cast metal removable partial dentures  
Maxillofacial prostheses/obturators  
Stages of complete denture fabrication  
Principles and fabrication of complete dentures - 20 and 30 degree teeth  
Principles and fabrication of complete dentures - Class II and Class III occlusion



## VCC Education and Education Support Policies

There are a number of **Education** and **Education Support** policies that govern your educational experience at VCC, please familiarize yourself with them.

The policies are located on the VCC web site at:

<http://www.vcc.ca/about-vcc/policies/index.cfm>

To find out how this course transfers, visit the BC Transfer Guide at [www.bctransferguide.ca](http://www.bctransferguide.ca).

### FOR COMMITTEE USE ONLY

Date Approved by Education Council:		Date Approved by VCC Board (if applicable):	
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