

COURSE IMPLEMENTATION DATE: January 2007  
 COURSE REVISED IMPLEMENTATION DATE: January 2008  
 COURSE TO BE REVIEWED: September 2009  
 (Four years after UPAC final approval date) (MONTH YEAR)

**OFFICIAL COURSE OUTLINE INFORMATION**

Students are advised to keep course outlines in personal files for future use.  
 Shaded headings are subject to change at the discretion of the department and the material will vary  
 - see course syllabus available from instructor

FACULTY/DEPARTMENT:	Faculty of Science, Health and Human Services / Dental Hygiene Program	
DHYG 140	2	
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
	General Dentistry Introduction	
COURSE DESCRIPTIVE TITLE		

**CALENDAR DESCRIPTION:**

Basic concepts and principles of dental materials used in the prevention and treatment of dental diseases are studied. The interaction between dental materials and the surrounding oral tissues that impact instrumentation are included. Students will learn to discuss the materials available for specific dental problems. This course may be presented in a combined on-line and lecture format.

PREREQUISITES: **DHYG 160**  
 COREQUISITES: **DHYG 121, DHYG 125, DHYG 130, DHYG 161**

SYNONYMOUS COURSE(S)	<b>SERVICE COURSE TO:</b>
(a) Replaces: _____ (Course #)	_____
(b) Cannot take: _____ for further credit. (Course #)	_____

TOTAL HOURS PER TERM: <b>33</b>	TRAINING DAY-BASED INSTRUCTION
<b>STRUCTURE OF HOURS:</b>	LENGTH OF COURSE: _____
Lectures: <b>10</b> Hrs	HOURS PER DAY: _____
Seminar: _____ Hrs	
Laboratory: <b>6</b> Hrs	
Field Experience: <b>2</b> Hrs	
Student Directed Learning: <b>15</b> Hrs	
Other (Specify): _____ Hrs	

MAXIMUM ENROLLMENT:	<b>16</b>
EXPECTED FREQUENCY OF COURSE OFFERINGS:	<b>Winter term, 1<sup>st</sup> year only</b>
<b>WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**AUTHORIZATION SIGNATURES:**

Course Designer(s): _____ Shauna Warner	Chairperson: _____ Rosie Friesen (Curriculum Committee)
Department Head: _____ Wanda Gordon	Dean: _____ Jackie Snodgrass
PAC Approval in Principle Date: _____	PAC Final Approval Date: Feb. 1, 2008

**LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:**

The student will be able to:

1. Recognize materials used to restore the dentition and be able to instrument around these materials by understanding their characteristics.
2. Describe the interaction between the specific dental materials used to restore oral/dental health and the surrounding oral tissues.
3. Discuss the materials available for a given situation with a client, to help the client make an informed choice.

**METHODS:**

Lecture  
Discussion  
Demonstration  
Dental Lab visit  
Lab Practice  
Group work

**PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

Credit can be awarded for this course through PLAR (Please check:)     Yes                       No

**METHODS OF OBTAINING PLAR:**

Challenge Exam

**TEXTBOOKS, REFERENCES, MATERIALS:**

[Textbook selection varies by instructor. An example of texts for this course might be:]

Gladwin and Bagby,(2000) Clinical Aspects of Dental Materials, Baltimore: Lippincott, Williams and Wilkins

**SUPPLIES / MATERIALS:**

Computer access is necessary, as well as familiarity with WebCT

**STUDENT EVALUATION:**

[An example of student evaluation for this course might be:]

This course is a combination of lecture and online learning.  
The final grade for this course will be assigned based on the following:

Assignment #1	30%
Assignment #2	20%
Assignment #3	10%
Discussion participation	10%
Final Exam	30% (exam will be accessed online)

UCFV letter grading system will be used. A passing grade is 70% (B-)

**COURSE CONTENT:**

[Course content varies by instructor. An example of course content might be:]

Main Themes/Critical Elements are:

- 1.The interaction of amalgam with oral tissues: composition, properties and manipulation of amalgam
- 2.The interaction of tooth-colored materials with oral tissues: composition, properties and manipulation of tooth colored materials
- 3.The interaction of dental cements and varnishes with oral tissues: composition, properties, manipulation and uses of common luting agents, temporary restoration materials and varnishes
4. The interaction of pit and fissure sealants with oral tissues: composition , reaction and properties of sealant materials; chemical and light polymerization of sealants
5. The interaction of gold and non-precious alloy restorations with oral tissues: composition and properties of gold, gold alloys and non-precious alloys
6. The interaction of porcelain with oral tissues: composition and properties of dental porcelain; types of porcelain and porcelain

bonded fixed and removable dental prostheses

7. The interaction of sutures and surgical dressings with oral tissues: purposes of suturing, suturing methods and suture removing techniques; purpose of surgical dressings and their placement and removal

8. The interaction of mouth protectors with oral tissues: properties, advantages and disadvantages of various materials used to fabricate mouth protectors

9. The interaction of tooth whiteners with oral tissues: the purpose of whitening, advantages and disadvantages, procedure

10. Dental specialty practice

11. The relationship between general dentists and dental specialists