

COURSE IMPLEMENTATION DATE: January 2007
 COURSE REVISED IMPLEMENTATION DATE:
 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 121	FORMER COURSE NUMBER	1
COURSE NAME/NUMBER	Oral Embryology and Histology	UCFV CREDITS
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

Students will identify the sequence of embryological development and the principles of oral histology of the soft and hard tissues of the oral cavity and associated structures. This course builds on the concepts introduced in fall science courses and continues to provide the foundation for clinical dental hygiene practice as well as for further study.

PREREQUISITES: **DHYG 160**
 COREQUISITES: **DHYG 130, DHYG 161, DHYG 102**

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

TOTAL HOURS PER TERM:	16	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:		LENGTH OF COURSE: 8 Weeks
Lectures: 16 Hrs		HOURS PER DAY: 2 hours / day, once a week
Seminar: Hrs		
Laboratory: Hrs		
Field Experience: Hrs		
Student Directed Learning: Hrs		
Other (Specify) Hrs		

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

AUTHORIZATION SIGNATURES:

Course Designer(s): _____ Shauna Warner	Chairperson: _____ Rosie Friesen (<i>Curriculum Committee</i>)
Department Head: _____ Wanda Gordon	Dean: _____ Jackie Snodgrass
PAC Approval in Principle Date: _____	PAC Final Approval Date: September 30, 2005

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

The student will be able to:

1. Understand the concepts and principles of histology as they relate to the clinical function of the soft and hard tissues present in the oral cavity
2. Identify the sequence and discuss the embryological formation of the tissues of the body
3. Understand how the dental and oral structures develop, in order to identify their relationship to dental health and client care.
4. Utilize this base knowledge required for further study in the dental sciences.

METHODS:

Lecture
Discussion
Observation

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:]

Fehrenbach, M. & Henning, S.,(2002). Illustrated Anatomy of the Head and Neck, 2nd Ed., Philadelphia: W.B. Sanders Company, 2

Bath-Balogh, M. & Fehrenbach, M.(1997 or most recent) Illustrated Dental Embryology, Histology, and Anatomy, Philadelphia: W.B. Saunders Company,

UCFV Course Pack DHYG 121

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

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

The final grade for this course will be assigned based on the following:

Quizzes	20%
Midterm Exam	40%
Final Exam	40%

UCFV letter grading system will be used. A passing grade is 70%

COURSE CONTENT:

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

Main Themes/Critical Elements are:

1. The concepts and principles of histology as they relate to dental and oro-facial structures
2. The histological features of the oral mucosa
3. The histological features of the dentogingival unit and histological features of the clinical appearance of healthy gingiva
4. The histological features of the tissues of the periodontium, other than gingiva, including periodontal ligament, alveolar bone and cementum
5. The histological features of tooth tissues (except cementum) including enamel, dentin and pulp
6. Human embryological development, including the formation of oro-facial structures, and their relationship to dental health and client care
7. The embryonic development of dental tissues and associated structures
8. The development of oro-facial anomalies and their relationship to dental health and client care

9. The histological and embryological features of the temporomandibular joint