UNIVERSITY COLLEGE of the FRASER VALLEY

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 121		**1**
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS

Oral Embryology and Histology
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 102, DHYG 125, DHYG 130, DHYG 161**

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

SERVICE COURSE TO: _____ *(Department/Program)* _____ *(Department/Program)*

TOTAL HOURS PER TERM: **16**
STRUCTURE OF HOURS:

Lectures:	**16**	Hrs
Seminar:		Hrs
Laboratory:		Hrs
Field Experience:		Hrs
Student Directed Learning:		Hrs
Other (Specify)		Hrs

TRAINING DAY-BASED INSTRUCTION
LENGTH OF COURSE:
HOURS PER DAY:

MAXIMUM ENROLLMENT: **16**
EXPECTED FREQUENCY OF COURSE OFFERINGS: **Winter term, 1st year only**
WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) ☐ Yes ☒ No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) ☐ Yes ☒ No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: ☐ Yes ☒ 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. 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 identfy 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 is70%

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