



COURSE IMPLEMENTATION DATE: January 2007
 COURSE REVISED IMPLEMENTATION DATE: September 2012
 COURSE TO BE REVIEWED: May 2018
(six years after UEC approval) *(month, year)*

OFFICIAL UNDERGRADUATE 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 – see course syllabus available from instructor

<u>DHYG 221</u>	<u>Dental Hygiene</u>	<u>1</u>
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
<u>Oral Embryology and Histology</u>		
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 prerequisite science courses and provides the foundation for clinical dental hygiene practice as well as for further study in the dental sciences.

PREREQUISITES: Admission to the Dental Hygiene program.
 COREQUISITES: DHYG 215, DHYG 270
 PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: DHYG 121
- (b) Cross-listed with: _____
- (c) Cannot take: _____ for further credit.

SERVICE COURSE TO: *(department/program)*

TOTAL HOURS PER TERM: 15

STRUCTURE OF HOURS:
 Lectures: 15 Hrs
 Seminar: _____ Hrs
 Laboratory: _____ Hrs
 Field experience: _____ Hrs
 Student directed learning: _____ Hrs
 Other (specify): _____ Hrs

TRAINING DAY-BASED INSTRUCTION:

Length of course: 15 weeks
 Hours per day: _____

OTHER:

Maximum enrolment: 16
 Expected frequency of course offerings: Fall term
(every semester, annually, every other year, etc.)

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

Course designer(s): <u>Shauna Warner, Leta Zaleski</u>	Date approved: <u>May 2012</u>
Department Head: _____	Date of meeting: <u>May 18, 2012</u>
Supporting area consultation (Pre-UEC)	Date approved: <u>May 2012</u>
Curriculum Committee chair: <u>Stephanie Kelly</u>	Date approved: <u>May 2012</u>
Dean/Associate VP: <u>Diane Reed</u>	Date approved: <u>May 2012</u>
Undergraduate Education Committee (UEC) approval	Date of meeting: <u>May 23, 2012</u>

LEARNING OUTCOMES:

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

1. Discuss the concepts and principles of histology as they relate to the clinical function of soft and hard tissues of the oral cavity.
2. Identify the sequence and discuss embryological formation of the tissues of the body.
3. Describe development of dental and oral structures.
4. Discuss the relationship of oral development to dental health.
5. Utilize the base knowledge required for further study in the dental sciences.

METHODS: *(Guest lecturers, presentations, online instruction, field trips, etc.)*

Lecture.

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Examination(s) Portfolio assessment Interview(s)

Other (specify):

PLAR cannot be awarded for this course for the following reason(s):

TEXTBOOKS, REFERENCES, MATERIALS:

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

Bath-Balogh, M. & Fehrenback, M. (most recent) Illustrated Dental Embryology, Histology and Anatomy, (recent ed.) Philadelphia: Elsevier Inc.

UFV DHYG 221 Course Pack

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

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

Assessment will be directly linked to the learning outcomes listed in the course content of the course outline.

Quizzes	20%
Midterm Exam	40%
Final Exam	40%

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