

COURSE SYLLABUS

Course Title:	Oral Anatomy for the Dental Assistant	Date submitted:	November 2018 (AAC: 18-79)
Department:	BCAHM (Biology, Chemistry, Allied Health, Medical)		
Curriculum:	Dental Assisting		
Course Descriptors: Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.	Course Code: (eg. ACC 101)	DAS*146	Prerequisites: Dental Assisting Research Seminar (DAS*142)
	Course Type:	X	
	A: Clinical B: Lab D: Distance Learning I: Individual/Independent L: Lecture N: Internship M: Seminar P: Practicum U: Studio X: Combined Lecture/Lab Y: Combined Lecture/Clinical/Lab Z: Combined Lecture/Studio		
	Elective Type:	G	
	AH: Art History E: English FA: Fine Arts G: General HI: History HU: Humanities LA: Liberal Arts FL: Foreign Language M: Math S: Science SS: Social Science		
	Credit Hours:	3	Corequisites: Matriculation in the Dental Assisting Program
	Developmental: (yes/no)	No	
		Lecture:	2
		Clinical:	0
	Contact Hours:	Lab:	2
Studio:		0	
Other:		0	
	TOTAL:	4	Other Requirements: Current BLS/CPR for Health Care Professionals and First Aid Certification through a Dental Assisting National Board approved provider
Class Maximum:	24-Lec 12-Lab		
Semesters Offered:	F		
Catalog Course Description:	Provides an in-depth investigation of the development of the orofacial complex through the study of oral histology and embryology. The exploration of facial/cranial osteological structures and landmarks gives a foundation to the study of the gross anatomy of the hard and soft structures of the head and neck region including muscular; circulatory; nervous; lymphatic; glandular systems; and tooth morphology.		
Topical Outline: List course content in outline format.	<ol style="list-style-type: none"> 1. General Anatomy and Physiology. 2. Dental terminology; systems of tooth numbering; and classifications of occlusion. 3. Oral Histology and Embryology <ul style="list-style-type: none"> • The human cell and basic tissues • Development of the orofacial complex • The Dental Lamina and Enamel Organ 		

	<ul style="list-style-type: none"> • The formation of enamel, dentin, and pulp <ol style="list-style-type: none"> 4. The periodontium: root formation and attachment apparatus 5. Facial and oral structures 6. Osteology of the skull 7. Muscles of mastication and facial expression. 8. The Temporomandibular Joint 9. Nerves; arteries and veins. 10. Lymphatics and salivary glands. 11. Morphology of primary and permanent dentition. 12. Eruption sequence; mixed dentition; and anomalies.
<p>Outcomes: Describe measurable skills or knowledge that students should be able to demonstrate as evidence that they have mastered the course content.</p>	<p>Upon successful completion of this course, the student will be able to do the following:</p> <ol style="list-style-type: none"> 1. explain the development of the orofacial complex and associated anomalies; 2. describe the progression of the dental lamina, enamel organ, enamel, dentin, and pulp; 3. discuss root formation and the attachment apparatus; 4. apply dental terminology/nomenclature in areas of tissue, tooth, and osteology identification, and occlusal relationships; 5. identify muscles of mastication and facial expression and explain the function of each; 6. label the components of the TMJ and describe the normal and/or abnormal function of each during movement. 7. explain the vascular system, neural pathways, salivary glands, and lymphatic supply relevant to the orofacial complex; <p>PROGRAM: <i>(Numbering reflects Program Outcomes as they appear in the college catalog)</i></p> <p>Dental Assisting Certificate Program:</p> <p>3. Teamwork - Effectively engages in interpersonal activities and teamwork.</p> <p>5. Technology Literacy - effectively uses technology to accomplish assigned tasks.</p> <p>GENERAL EDUCATION: <i>(Numbering reflects General Education Outcomes as they appear in the college catalog)</i></p> <p>8. Scientific Knowledge - Students will gain a broad base of scientific knowledge and methodologies in the natural sciences. This will enable them to develop scientific literacy, the knowledge and understanding of scientific concepts and processes essential for personal decision making and understanding scientific issues.</p> <p>Demonstrates: Consistently recalls and correctly applies discipline-specific terms, relevant theories, laws, and concepts to analyze and explain scientific information.</p> <p>Does Not Demonstrate: Inconsistently recalls or incorrectly applies discipline-specific terms, relevant theories, laws, and concepts to analyze or explain scientific information.</p>
<p>Evaluation: List how the above outcomes will be assessed.</p>	<p>Assessment will be based on the following criteria:</p> <ol style="list-style-type: none"> 1. Quizzes 2. Examinations 3. Laboratory assignments

<p>Instructional Resources:</p> <p>List library (e.g. books, journals, on-line resources), technological (e.g. Smartboard, software), and other resources (e.g. equipment, supplies, facilities) required and desired to teach this course.</p>	<p>Required:</p> <p>Online resources Laboratory facilities with computer capability</p> <p>Desired: None</p>
<p>Textbook(s)</p>	<p><u>Head, Neck & Dental Anatomy</u>, Short, Levin-Goldstein, Latest Edition <u>Torres and Ehrlich Modern Dental Assisting</u>, Bird DL, Robinson DS, Latest Edition</p> <p>Laboratory Manual</p>