

FLORIDA STATE COLLEGE AT JACKSONVILLE
NON-COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: DES 0020
COURSE TITLE: Head, Neck and Dental Anatomy
PREREQUISITE(S): Admission to the Dental Assisting Program
COREQUISITE(S): First term dental assisting courses
TOTAL CONTACT HOURS: 60 (40 Lecture/20 Lab)

(For Office Use Only:
Vocational Credits 2.0)

FACULTY WORKLOAD POINTS: 2

STANDARDIZED CLASS SIZE
ALLOCATION: 22

COURSE DESCRIPTION:

This course provides comprehensive instruction in the anatomy of the human dentition, its development and function. A detailed study of bony, muscular, circulatory, and nervous systems of the head and neck is included. An introduction to oral histology will also be offered.

SUGGESTED TEXT(S): Bird, D. & Robinson, D., Modern Dental Assisting, 9th edition, Elsevier Saunders Publishing, 2008

SUGGESTED TEXT(S): Modern Dental Assisting, Bird, D., Robinson, D., W. B. Saunders Publishing, 2002

IMPLEMENTATION DATE: Fall Term, 1998

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)
Fall Term, 2008 (20091)

COURSE TOPICS		CONTACT HOURS <u>PER TOPIC</u>	
I	Oral cavity and landmarks A. Intraoral tissues B. Extraoral tissues	4	(Lecture 3, Lab 1)
II	Tooth terminology A. Oral cavity terminology B. Tooth identification	3	(Lecture 2, Lab 1)
III	Tooth numbering systems A. Universal B. Palmers C. FDI	4	(Lecture 2, Lab 2)
IV	Tooth morphology: Incisors A. Maxillary central incisor B. Maxillary lateral incisor C. Mandibular central incisor D. Mandibular lateral incisor	5	(Lecture 3, Lab 2)
V	Tooth morphology: Canines A. Maxillary canine B. Mandibular canine	2	(Lecture 1, Lab 1)
VI	Tooth morphology: Premolars A. Maxillary first premolar B. Maxillary second premolar C. Mandibular first premolar D. Mandibular second premolar	6	(Lecture 3, Lab 3)
VII	Tooth morphology: Molars A. Maxillary first molar B. Maxillary second molar C. Maxillary third molar D. Mandibular first molar E. Mandibular second molar F. Mandibular third molar	8	(Lecture 4, Lab 4)
VIII	Occlusion A. Class I B. Class II C. Class III	1	(Lecture 1, Lab 0)
IX	Deciduous dentition	2	(Lecture 1, Lab 1)

A. Tooth identification

COURSE TOPICS		CONTACT HOURS <u>PER TOPIC</u>	
	B. Variation in form from permanent		
X	Eruption and exfoliation	2	(Lecture 2, Lab 0)
	A. Eruption schedule for primary and permanent teeth		
	B. Exfoliation of primary teeth		
XI	Developmental anatomy - Embryology	3	(Lecture 3, Lab 0)
XII	Osteology of the skull	5	(Lecture 3, Lab 2)
	A. Bones of the skull		
	B. Bones of the mandible		
XIII	Sinuses and TMJ	2	(Lecture 1, Lab 1)
	A. Sinuses in the skull		
	B. TMJ function		
XIV	Muscles of the head and neck	3	(Lecture 2, Lab 1)
	A. Locations		
	B. Functions		
XV	Neuroanatomy	1	(Lecture 1, Lab 0)
	A. Locations		
	B. Functions		
XVI	Vascular supply	1	(Lecture 1, Lab 0)
	A. Locations		
	B. Functions		
XVII	Tongue	3	(Lecture 2, Lab 1)
	A. Types and functions of papilla on tongue		
	B. Tastes and sensory locations		
	C. Locations of salivary glands and ducts		
XVIII	Physiology of mastication and swallowing	1	(Lecture 1, Lab 0)
	A. Mastication		
	B. Swallowing		
XIX	Introduction to Oral Histology	4	(Lecture 4, Lab 0)

PROGRAM TITLE: Dental Assisting
COURSE TITLE: Head, Neck and Dental Anatomy
CIP NUMBER: 0317.010100

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

15.0 IDENTIFY STRUCTURES AND EXPLAIN FUNCTIONS AND PATHOLOGIES OF DENTAL AND GENERAL ANATOMY -- The student will be able to:

- 15.01 Identify structures and functions of head and neck anatomy including bones, muscles, sinuses, salivary glands, nerves and blood vessels.
- 15.02 Identify embryonic development of head, oral cavity, and teeth.
- 15.03 Identify teeth and their landmarks.
- 15.04 Describe the histological components of the head, oral cavity, and elements of the teeth and supporting structures.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

Section 1 COURSE PREFIX AND NUMBER: <u>DES 0020</u>	SEMESTER CREDIT HOURS (CC): ____ CONTACT HOURS (NCC): <u>60</u>
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COURSE TITLE: Head, Neck and Dental Anatomy

Section 2
 TYPE OF COURSE: (Click on the box to check all that apply)

<input type="checkbox"/> AA Elective	<input type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other ____	<input checked="" type="checkbox"/> PSAV	<input type="checkbox"/>
Apprenticeship		
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

Section 3 (If applicable)
 INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:

<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

Section 4
 INTELLECTUAL COMPETENCIES:

<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input type="checkbox"/> Quantitative Skills	<input type="checkbox"/> Scientific Method of Inquiry
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively

Section 5		METHOD OF ASSESSMENT
	LEARNING OUTCOMES	
• 1	Completers will be able to identify extracted teeth by their morphology	Practical examination
• 2	Completers will be able to successfully use the three tooth numbering systems used by dentists	Practical examination
• 3	Completers will be able to identify the bones of the skull and landmarks associated with each bone	Written and practical exam

Section 6
 Name of Person Completing This Form: Dr. Jeffrey Smith Date: 2-14-2008