Sinclair Community College
444 E. Third St.
Dayton, OH 45402

Master Syllabus

DEH 1202 - Head, Neck & Dental Anatomy

Division: Health Sciences

Department: Dental Health Sciences

Credit Hour Total: 3.0 **Lecture Hrs:** 2.0 **Lab Hrs:** 2.0

Prerequisite(s): BIO 1141

Other Prerequisite(s): AND Restricted to Majors

Date Revised: February 2018

Course Description:

Gross anatomy of the head and neck region including the oral cavity. Morphology and function of permanent and primary dentition. Two classroom, two lab hours per week.

General Education Outcomes:

- Critical Thinking/Problem Solving Competency

Course Outcomes:

Nervous System and Innervations
Compare and contrast the structural and functional differences between the somatic and autonomic nervous systems. Identify selected nerves that innervate the oral cavity and para-oral tissues and delineate the innervations of each of these.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Blood Supply of Head and Neck
Identify the basic arterial and venous supply to the head and neck region and illustrate the oral and para-oral structures supplied by selected vessels.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Temporomandibular Joint (TMJ)
Identify the anatomical structures that comprise the temporomandibular joint and differentiate among the various causes and symptoms of TMJ dysfunction.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Tooth Arrangement and Contacts
Delineate the arrangement of the teeth into dentitions, arches, quadrants and sextants. Locate and describe the function of contact areas and embrasures.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Tooth Numbering and Morphology
Differentiate and compare morphological features of each permanent and primary tooth and assign the appropriate name and code number/letter to each tooth.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Form, Function and Composition of the Dentition
Compare and contrast the morphology and function of the various classes of teeth. Compare the various elements that comprise tooth structure including the structure, location, and function of enamel, dentin, cementum and the dental pulp.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Oral and Paraoral Tissues
Name and locate the gross anatomical structures of the oral and para-oral soft tissues. Compare and contrast the form and function of the three basic classes of oral mucosa and differentiate the structures that comprise the periodontium.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher achieved

Eruption Sequence and Malocclusion
State the pattern and dates for eruption of all primary and permanent teeth and differentiate among the characteristics that contribute to mal-alignment or mal-positioning of teeth.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Classification of Occlusion
Describe Angle's classification of occlusion and define the terminology used in the analysis of the human dental occlusion.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Root Morphology
Illustrate the morphological features of tooth roots and the root canals of individual teeth.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Morphology of the Skull
Name the bones comprising the human skull and distinguish their anatomical components.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Muscles of the Head and Neck
Name and locate the muscle groups of the head and neck and differentiate the functions of these groups. Identify the location and action of individual muscles within these groups.

Assessment Method: Locally developed exams
Performance Criteria: 70% or higher is achieved

Outline:

Anatomy of the Oral and Para-Oral StructuresTooth Morphology and FunctionOcclusionBones of the CraniumMuscles of the Head and NeckNeuroanatomy and Vascularity of the Head and Neck