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

Master Syllabus

BIO 1121 - Human Anatomy & Physiology I

Division: Science, Mathematics and Engineering

Department: Biology

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

Prerequisite(s): DEV 0025OR DEV 0075AND DEV 0015

Date Revised: April 2015

Course Description:

The first course in a two-semester sequence studying the structure and function of the human body. Topics include introductory terminology, biochemistry, cytology, the integumentary system, the skeletal system, the muscular system, the nervous system and the endocrine system. Two classroom, two lab hours per week.

General Education Outcomes:

- Written Communication
- Critical Thinking/Problem Solving
- Values/Citizenship/Community
- Computer Literacy
- Information Literacy

Course Outcomes:

Anatomical Competence
Survey and identify anatomical characteristics of the following organ systems: integumentary, skeletal, muscular, nervous and endocrine.

Assessment Method: Locally developed exams
Performance Criteria: Accumulate a minimum total of 60% of all the available points in the course (Lecture exams, Quizzes, and Lab Tests)

Physiological Competence
Demonstrate an understanding of basic physiological processes of the organ systems studied in this course.

Assessment Method: Locally developed exams
Performance Criteria: Accumulate a minimum total of 60% of all the available points in the course (Lecture exams, Quizzes, and Lab Tests)

Homeostatic mechanisms and organ system interdependence
Comprehend and analyze interactions between organs and organ systems involved in homeostatic mechanisms and how these processes interrelate to maintain the life of the human body.

Assessment Method: Locally developed exams
Performance Criteria: Accumulate a minimum total of 60% of all the available points in the course (Lecture exams, Quizzes, and Lab Tests)

Outline:

Introductory terminologyBiochemistryCellsIntegumentary systemBone tissueThe skeletal systemArticulationsMuscle tissueThe muscular systemNervous tissueCentral nervous systemPeripheral nervous systemAutonomic nervous systemEndocrine system