

## 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 0015AND MAT 0050OR MAT 1120OR MAT 1130

**Date Revised:** December 2016

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#### 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 Competency
- ▣ Critical Thinking/Problem Solving Competency
- ▣ Values/Citizenship/Community Competency
- ▣ Computer Literacy Competency
- ▣ Information Literacy Competency

#### Course Outcomes:

##### 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)

##### 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)

#### Outline:

Introductory terminology Biochemistry Cells Integumentary system Bone tissue The skeletal system Articulations Muscle tissue The muscular system Nervous tissue Central nervous system Peripheral nervous system Autonomic nervous system Endocrine system