

## Master Syllabus

### BIO 1147 - Lab for Principles of Anatomy & Physiology I

**Division:** Science, Mathematics and Engineering

**Department:** Biology

**Credit Hour Total:** 0.0

**Date Revised:** June 2014

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#### Course Description:

Lab for the first course in a two semester sequence studying the structure and function of the human body.

#### General Education Outcomes:

- ❑ Oral Communication Competency
- ❑ Written Communication Competency
- ❑ Critical Thinking/Problem Solving Competency
- ❑ Computer Literacy Competency
- ❑ Information Literacy Competency

#### Course Outcomes:

##### Comprehension of Homeostatic mechanisms and Organ system interdependence

Describe the physiological processes that each organ system contributes to body homeostasis. Describe the interdependence of the organ system to the other organ systems of the body

**Assessment Method:** Locally developed exams

**Performance Criteria:** At least 60% of total points accumulated at the end of the course

##### Anatomical Competence

Use formal anatomical terminology in describing the tissues and organs of the organ-system. Identify and locate tissues and organs on diagrams, photos, models, tissue slides, and dissected specimens. Relate anatomical structure to physiological function.

**Assessment Method:** Performance appraisals

**Performance Criteria:** At least 60% of total points accumulated at the end of the course

##### Physiological Competence

Use correct scientific terminology in describing the physiological processes central to each organ system. Describe the mechanisms, biochemical pathways, and control systems for the principle physiological processes. Relate physiological function to the anatomical structure of the organ systems.

**Assessment Method:** Locally developed exams

**Performance Criteria:** At least 60% of total points accumulated at the end of the course

#### Outline:

Microscope Molecules Histology Skeletal anatomy Muscular anatomy Nervous system Endocrine system