

Master Syllabus

BIO 1248 - Lab for Principles of Anatomy & Physiology II

Division: Science, Mathematics and Engineering

Department: Biology

Credit Hour Total: 0.0

Date Revised: June 2014

Course Description:

Lab for the second 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:

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: Locally developed exams

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

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

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:

Cardiovascular system anatomy and physiology
Respiratory system anatomy and physiology
Urinary system anatomy and physiology
Acid-base balance
Digestive system anatomy and physiology
Reproductive system anatomy and physiology