

# Bemidji State University

## **BIOL 2110: Human Anatomy and Physiology**

### **A. COURSE DESCRIPTION**

Credits: 5

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

The structure, function, and development of the human body. Lecture and laboratory. Prerequisite(s): BIOL 1400 or BIOL 1500.

**B. COURSE EFFECTIVE DATES:** 09/03/2002 - Present

### **C. OUTLINE OF MAJOR CONTENT AREAS**

1. Intro to Human A & P; Homeostasis; Feedback Control
2. Chemistry
3. Cell Structure and Genetic Regulation
4. Enzymes
5. Metabolism
6. Cellular Membrane: Transport and Potential
7. Histology
8. Integumentary System
9. Skeletal System
10. Articulations
11. Muscular System
12. Nervous System
13. Sensory System
14. Endocrine System
15. Cardiovascular System
16. Lymphatic System
17. Respiratory System
18. Urinary System
19. Digestive System
20. Reproductive System
21. Embryology and Inheritance

**D. LEARNING OUTCOMES (General)**

1. identify the anatomical structures of all body systems.
2. understand cellular and chemical principles associated with the human body.
3. understand the physiological and chemical mechanisms of all body systems.
4. develop a working vocabulary of anatomical and physiological terminology.
5. develop acceptable laboratory dissecting techniques.

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted