

Bemidji State University

BIOL 3260: Human Physiology

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Physiological and pathophysiological principles and control mechanisms of organ systems within humans. Lecture and laboratory. Prerequisites: BIOL 1400 and (CHEM 1111 or CHEM 2211); or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/27/2018 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Cardiovascular System
2. Cellular Control Mechanisms
3. Cellular Metabolism
4. Cellular Structure and Function
5. Chemical and Physical Principles
6. Digestive System
7. Endocrine System
8. Integumentary System
9. Introduction to Physiology; Homeostasis
10. Lymphatic System
11. Muscular System
12. Nervous System
13. Pathophysiology
14. Reproductive System
15. Respiratory System
16. Sensory Physiology
17. Skeletal System
18. Urinary System

D. LEARNING OUTCOMES (General)

1. write one well-developed pathophysiological research paper using specific journal format.
2. develop skills using physiological instruments used in laboratory projects.
3. understand cellular, physiological, and chemical mechanisms of all body systems.
4. present one well-developed pathophysiological seminar to class.
5. develop a working vocabulary of medical physiological terminology.
6. develop physiological research techniques used in laboratory projects.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted