

# Bemidji State University

## BIOL 4270: Histology

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Microscopic anatomy of vertebrate tissues and organs with functional correlations. Lecture and laboratory. Prerequisites: BIOL 1211 and BIOL 1212, BIOL 3250, and BIOL 3260. Might not be offered every year.

**B. COURSE EFFECTIVE DATES:** 08/02/2010 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Introduction to Histology; Epithelial Tissue
2. Epithelial Tissue
3. Integumentary System
4. Glandular Tissue; Connective Tissue
5. Hematology
6. Skeletal System; Muscular System
7. Cardiovascular System; Lymphatic System
8. Nervous System; Sensory System
9. Digestive System; Respiratory System
10. Urinary System; Endocrine System
11. Reproductive System

### D. LEARNING OUTCOMES (General)

1. identify and classify histological structures of vertebrate tissues and organs.
2. develop additional skills using the light microscope.
3. understand different microscopic techniques and instruments used in histology.
4. identify and classify selected pathological structures of vertebrate tissues and organs.
5. understand the functional correlations associated with selected pathological structures.
6. understand the functional correlations associated with the histological structures.
7. develop a working vocabulary of histological terminology.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted