

# Minnesota State University Moorhead

## BIOL 323: Human Anatomy

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 3

Lab Hours/Week: 3

OJT Hours/Week: \*.\*

Prerequisites:

BIOL 111 - Cell Biology; OR

BIOL 115 - Organismal Biology

Corequisites: BIOL 323L

MnTC Goals: None

Anatomical structure of the human body, from individual organ systems to the integrated whole. Includes cadaver dissection.

**B. COURSE EFFECTIVE DATES:** 02/20/1999 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Course Introduction
2. Introduction on Cells and Tissues
3. Integumentary System
4. Skeletal System
5. Endochondral Ossification
6. Muscle System
7. Sliding filament theory
8. Skeletal System
9. Leverage System
10. Digestive System
11. Respiratory System
12. Cardiovascular System
13. Lymphatic System
14. Endocrine System
15. Urinary System
16. Reproductive System
17. Nervous System ; CNS and PNS, with emphases on 12 Cranial Nerves
  
18. Eye and Ear

#### **D. LEARNING OUTCOMES (General)**

1. To learn basic anatomy at cellular and tissue level including the similarities and differences of the 4 basic tissues of the body.
2. To learn anatomical structures of organs and organ systems for integument, skeletal, muscle, digestive, respiratory, cardiovascular, lymphatic, reproductive and nervous.
3. To learn basic functions of each of the organs and organ systems described in #2.
4. To expose students to dissection of cadavers including instruments used in dissection.
5. To prepare students for the emotional aspect of cadaver dissection, helping to prepare them in future exposure in health and medical schools. This includes the importance of respect to everyone around them, including the cadavers, family of donors, classmates, teaching assistants, and faculty members.
6. To prepare students for careers in health and medical sciences.

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

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted