

# Inver Hills Community College

## BIOL 1110: Human Biology Laboratory

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 0

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites:

BIOL 1107 - Biology of Women AND BIOL 1114 - Critical Issues in Human Biology (Nonlab) AND BIOL 1114 - Critical Issues In Human Biology

Corequisites: None

MnTC Goals: Goal 03 - Natural Science

Provides an optional lab with hands on experience for the lecture sections of 1114 (Critical Issues in Human Biology) and 1107 (Biology of Women). The lab covers microscopy, scientific method, study of the cell, genetics, mitosis and meiosis, aspects of human anatomy and physiology. Topics covered may also include current issues in human health. This course may be paired with BIOL 1107 or 1114 to fulfill a lab science requirement.

**B. COURSE EFFECTIVE DATES:** 08/27/2007 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Basic biology and Scientific Method: 35%
2. Human Anatomy and Physiology, including reproduction: 45%
3. Critical Issues: 20%

### D. LEARNING OUTCOMES (General)

1. Explain the basic structure and function of human organ systems.
2. Demonstrate understanding of the basic principles of microscopy, genetics, cell division and scientific method.
3. Apply biological information to critical issues related to health and disease.
4. Participate in active discourse and problem solving exercises to foster analytical and critical thinking skills.
5. Demonstrate current standard lab safety practices and procedures.

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

Goal 03 - Natural Science

1. Demonstrate understanding of scientific theories.
2. Formulate and test hypotheses by performing laboratory, simulation, or field experiments in at least two of the natural science disciplines. One of these experimental components should develop, in greater depth, students' laboratory experience in the collection of data, its statistical and graphical analysis, and an appreciation of its sources of error and uncertainty.
3. Communicate their experimental findings, analyses, and interpretations both orally and in writing.
4. Evaluate societal issues from a natural science perspective, ask questions about the evidence presented, and make informed judgments about science-related topics and policies.

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted