

Inver Hills Community College

BIOL 1114: Critical Issues In Human Biology

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:

This course requires any of these five prerequisite categories

1. Both of these groups

1. One of these two

EAP 0099 - Academic Writing (Minimum grade: 1.67 GPA Equivalent)

ENG 0099 - Introduction to Academic Writing (Minimum grade: 1.67 GPA Equivalent)

And

2. One of these two

READ 0093 - Reading College Texts (Minimum grade: 1.67 GPA Equivalent)

READ 0094 - Reading Workshop (Minimum grade: 1.67 GPA Equivalent)

Or

2. ENG 1108 - Writing And Research Skills (Minimum grade: 1.67 GPA Equivalent)

Or

3. A score of 250 on test Accuplacer NG Reading

Or

4. A score of 250 on test Accuplacer NG COMP Reading

Or

5. Both of these

A score of 18 on test ACT English

A score of 21 on test ACT Reading

Corequisites: None

MnTC Goals: Goal 03 - Natural Science, Goal 09 - Ethical/Civic Resp

Intended for majors and non-majors interested in critical and ethical issues related to human biology. Ethical decision-making surrounding current biological issues will be examined. Topics such as evolution, human research subjects, biotechnology, antibiotic resistance, or other emerging science issues may be examined. Students will understand the process of science, be able to distinguish science from non-science, and critically analyze claims. Students desiring a traditional lab may take BIOL 1110 concurrently or following completion of BIOL 1114.

B. COURSE EFFECTIVE DATES: 08/01/2007 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Nature of Science: 20%
2. Basic Biology: 25%
3. Current Issues in Biology: 50%
4. Application to other disciplines: 5%

D. LEARNING OUTCOMES (General)

1. Students will
 - 1.Explain the complexity of scientific inquiry & the peer-reviewed research process, and how it contributes to our understanding of current issues.
 2. Identify, examine and discuss biological issues with ethical, political, social and personal dimensions.
 3. Use an understanding of the process of science to identify and interpret quality information relevant to biological issues
 4. Identify and employ quality evidence to analyze and critically question viewpoints on biological issues.
 5. Combine relevant criteria with their own ethical ideals to make well-reasoned, informed

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

Goal 03 - Natural Science

1. Demonstrate understanding of scientific theories.
2. Communicate their experimental findings, analyses, and interpretations both orally and in writing.
3. Evaluate societal issues from a natural science perspective, ask questions about the evidence presented, and make informed judgments about science-related topics and policies.

Goal 09 - Ethical/Civic Resp

1. Examine, articulate, and apply their own ethical views.
2. Understand and apply core concepts (e.g. politics, rights and obligations, justice, liberty) to specific issues.
3. Analyze and reflect on the ethical dimensions of legal, social, and scientific issues.
4. Recognize the diversity of political motivations and interests of others.
5. Identify ways to exercise the rights and responsibilities of citizenship.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted