North Hennepin Community College

BIOL 1350: Biology of Women

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:
This course requires any of these 12 prerequisites
A score of 1 on test Exempt from taking Reading placement tes
A score of 78 on test Accuplacer Reading Comprehension
A score of 250 on test Accuplacer NG Reading
A score of 250 on test Accuplacer NG COMP Reading
A score of 108 on test Accuplacer ESL Reading Skills
A score of 1 on test Dev Ed Course Waiver-Rdg
A score of 21 on test ACT Reading
A score of 1047 on test MN Comprehensive Assessment Reading
ADEV 0952 - College Reading and Learning Strategies II (Minimum grade: 1.67 GPA Equivalent)
ADEV 1950 - Reading Texts Critically
EAP 0930 - Academic Reading and Study Skills (Minimum grade: 1.67 GPA Equivalent)
EAP 1230 - College Reading and Studying Skills

Corequisites: None

MnTC Goals: Goal 03 - Natural Science

This course is designed to allow students to explore the biological aspects of being female throughout her life cycle from sex cell formation through menopause and aging. Students will also gain an historical perspective of women over the ages including women in science, will be introduced to the nature of science and the scientific method, study the biology of gender differences, gain a multicultural perspective of women's health issues as well as a comprehensive study of female and male reproductive biology. Topics that will be covered include sex cell formation, genetic inheritance, gene expression, sex determination, pregnancy and birth as well as other health issues such pre-menstrual syndrome, birth control, sexually transmitted diseases, and cancer. This course includes a lab-like experience. The course is open to both male and female students.
Prerequisite: ENGL 0990 or a 78 on the Accuplacer Reading Comprehension

B. COURSE EFFECTIVE DATES: 08/25/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. A historical perspective of the biological nature of women, women in science, introduction to science and the scientific method as well as a comprehensive study of female and male reproductive biology including sex cell formation, genetic inheritance, gene expression, gender differences, and stages of female life cycle including puberty, adulthood, menopause and aging. Selected topics such as the biological basis of cancer, pre-menstrual syndrome, birth control, sexually transmitted diseases are also integrated into the course.

D. LEARNING OUTCOMES (General)

1. Within the context of womens biological issues, gender roles and societal class structures: Gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected. (MnTC G2, comp.a; MnTC G3, comp. d; NHCC Core Ability Human Diversity, comp. a, b; NHCC ELOs 1, 2, 3)
2. Within the context of womens biological issues: analyze the logical connections among the facts, goals, and implicit assumptions relevant to a problem or claim; generate and evaluate implications that follow from them. (MnTC G2, comp.c; NHCC ELOs 1, 2, 3)
3. Within the context of womens biological issues, demonstrate and communicate understanding of scientific theories as presented through case studies, scenarios, or examples. (MnTC G 3, comps. a, c; NHCC ELOs 1, 2, 3)
4. Within the context of womens biological issues; evaluate societal issues from a natural science perspective, a multicultural perspective and multi-gender perspective, ask questions about the evidence presented, make informed judgments about science-related topics and policies. (MnTC G 3, comp. d; NHCC Core Ability Human Diversity, comps. c, e; NHCC ELOs 1, 2, 3, 4)

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.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

1. Knowledge of Human Cultures and the Physical and Natural World--Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.

2. Intellectual and Practical Skills--Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.

3. Personal and Social Responsibility and Engagement--Including: Civic knowledge and involvement--campus, local and global; Intercultural knowledge and competence; Ethical reasoning and action; Foundations and skills for lifelong learning.

4. Integrative and Applied Learning--Including: Synthesis and advanced accomplishment across general education, liberal studies, specialized studies and activities in the broader campus community.