BIOLOGY OF WOMEN AND MEN

A. **Course Description**
   - **Credits:** 4.00
   - **Lecture Hours/Week:** 3.00
   - **Lab Hours/Week:** 1.00
   - **OJT Hours/Week:** 0
   - **Prerequisites:** None
   - **Corequisites:** None
   - **MnTC Goals:**
     - 02 – Critical Thinking
     - 03 – Natural Science
     - 09 – Ethical/Civic Resp

   Students will focus on concepts related to women's and men's health. Topics covered will include anatomy and physiology of human reproductive systems, ethical issues in women's and men's health, formulating critical thinking skills in the face of new medical findings presented to society and biological concepts of common medical issues faced by women/men. Specific topics may include, menopause, prostate health, hair loss, mental health, pregnancy and current media issues in the face of health care, to name a few. Lab like experiences will be included in the teaching of these topics through simulations, case-studies and more.

B. **Course Effective Dates:** 1/11/16 – Present

C. **Outline of Major Content Areas**

   As noted on course syllabus

D. **Learning Outcomes**
   1. Compare stand points of controversial issues in the face of science and human health.
   2. Gather, analyze and question material presented to society via media relating to human health.
   3. Gather, compile, analyze and present factual information in a clear and precise manner.
   4. Recognize the value opening one's mind to new information and using it to improve one?s overall health and well-being (hopefully through science).
   5. Study development from pregnancy through birth.

6. Understand the basic anatomy and physiology of human reproductive systems.

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

Goal 02 — Critical Thinking

1. 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.
2. Imagine and seek out a variety of possible goals, assumptions, interpretations, or perspectives which can give alternative meanings or solutions to given situations or problems.
3. 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.
4. Recognize and articulate the value assumptions which underlie and affect decisions, interpretations, analyses, and evaluations made by ourselves and others.

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.

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