I. Description of Course:

1. **Department/Course:** PHIL - 116
2. **Title:** Bioethics
3. **Cross Reference:**
4. **Units:** 3
   - **Lec Hrs:** 3
   - **Lab Hrs:**
   - **Tot Hrs:** 54.00
5. **Repeatability:** No
6. **Grade Options:** Letter Grade, May Petition for Pass/No Pass (GP)

7. **Degree/Applicability:** Credit, Degree Applicable, Transferable - CSU (T)
8. **General Education:**
9. **Field Trips:** Not Required
10. **Requisites:**
11. **Catalog Description:**
    This course examines issues concerning biotechnology, medicine, and the ethical questions that are raised by the technology. Concepts studied include human and animal research, genetically modified organisms, genetic engineering, eugenics, stem cell research, and artificial biology. Ethical theory will also be examined as a groundwork for discussion of the issues covered.

12. **Class Schedule Description:**
    Survey of ethical issues raised by biotechnology including genetic engineering, cloning, and stem cell research

13. **Counselor Information:**
    This course does not require students to have taken Phil 106 Ethics. This course may be of special interest to students in the Biotech and Nursing programs.

II. Student Learning Outcomes

The student will:

1. Identify ethical terms and concepts in the field of medical and Bio-ethics
2. Critically analyze ethical problems related to the development of technology and medicine.
3. Apply ethical theories to medical and bio-ethical problems.
4. Evaluate the impact of technology on values and vice versa.

III. Course Outline:

The following is simply a possible course outline. Individual instructors may vary the topics covered based on current events, time constraints, expertise, etc.

A. Ethical Theory
   1. Utilitarianism
   2. Kantianism
   3. Virtue Theory
4. Ethics of Care

B. Bioethical issues

1. Research ethics
   a. Human
      i. Informed consent
      ii. Pregnant women
      iii. Infants and children
   b. Animal

2. Genetic engineering
   a. Eugenics
   b. Cloning
   c. GMOs in food
   d. GMOs in the environment
   e. Genetic privacy

3. Stem cell research
   a. The Moral status of embryos
   b. Alternatives to embryonic stem cell research

4. Reproduction
   a. Reproductive cloning
   b. Abortion
   c. Sex selection
   d. Posthumous reproductive rights

5. Artificial biology and cyborgs
   a. Patenting life
   b. Engineering artificial life
   c. Cochlear implants and the Deaf community

IV. Course Assignments:
   
   A. Reading Assignments
      1. Reading assignments from assigned text or course reader.

   B. Projects, Activities, and other Assignments
      1. Group work on particular case studies possibly.

   C. Writing Assignments
      1. Argumentative essay

V. Methods of Evaluation:

   A. Exams
   B. Argumentative Paper
   C. Journaling
   D. Group case studies

VI. Methods of Instruction:

   A. Lecture
   B. Discussion
   C. Seminar
   D. Collaborative Learning

VII. Textbooks:
Recommended


Supplemental

VIII. Supplies:

A. none

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