BIOTECHNOLOGY: BOUNTIFUL HARVEST OR BITTER HARVEST?

Syllabus - 2008

Sept 02  Video: Life-Patent Pending - discussion
         Writing assignment #1 due

 04  Writing Workshop - thesis statements
       Discussion on discussion

 09  Academic honesty exercise

 11  Agricultural biotechnology - "Mouse that Laid the Golden Egg" (video)
       Discussion

 16  Agricultural biotechnology
       - science

 18  Library orientation - Class begins at 8:00 am in Creative Computing
       Lab, Forum  Kevin Engel, Science Librarian

 23  Agricultural biotechnology
       - debate/discussion of Terminator Technology
       - topic for class presentations due
       - Writing assignment #2 due

 25  Applications of ag biotechnology: class presentations

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Oct 02  Human Genome Project
         - description
         - "Immortal Thread" (video)
         - Ethics exercise

 07  Human Genome Project
         - activities
         - Case of Nathaniel Wu

Oct 09  Genetic testing - "Children by Design" (video)
         Discussion
14 Genetic testing - Discuss Weir chapters (Paul, Ash, Marcus, Quaid)
   - Case studies of genetic counseling

16 Patenting Life - Principles of patents, discussion of cases
   Writing assignment #3 due

19-26 Fall Break

28 Writing lab presentation on writing assignment #3
   Judy Hunter, Director, Writing Lab

30 In vitro fertilization and human cloning
   - science and discuss case of frozen embryos

Nov 04 In vitro fertilization and human cloning
   - societal implications - discussion

06 Gene therapy - science and case studies

11 Peer review of writing assignment #4

13 Germ-line gene therapy - Discuss Weir chapters (Walters, Boyle)
   Writing assignment #4 due

18 Paper appointments

20 Paper appointments

25 DNA fingerprinting - video - brief discussion

Dec 02 DNA fingerprinting:
   - science
   - start DNA fingerprinting lab (set up digests)

04 DNA fingerprinting:
   - finish lab (run gels, measure)

09 Discuss Immortality paper

11 Evaluations
   Writing assignment #5 due