Course Syllabus

Dr. Bob Kistler
Bethel University
SPRING 2007

Instructor Information
- Office: HC317
- Phone: 651-638-6313
- Email: r-kistler@bethel.edu
- Office Hours: Tues 4 - 6, Sat 10 - 12:30 IC

Class Information - Section 1
- Meeting Times: ONLINE COURSE
- Location: ONLINE

Course Description
An examination of the pervasive influence of technology in shaping our views, values, society, and environment. The course seeks to develop an ability to critically analyze technology and the social and environmental influences and impacts of technology. Basic concepts of Environmental Science serve as a focal point of the course, leading to an understanding of the pervasive and value-laden nature of technology in our modern society and how such technologies and technological artifacts have changed our environments, our social structures, and our values. [prerequisite: Lab Science course]

Learner Outcomes
- K Category Learner Outcomes
  - Knowledge:
    - Understand the concept of technology and the means by which it emerges from scientific knowledge
    - Define and analyze complex technological issues and their social, ethical and theological dimensions.
  - Skills:
    - Apply a rational research and decision-making process to choices about the use of specific technologies.
    - Apply mathematical skills relevant to the course material.
    - Pursue wise and ethical approaches to the stewardship of scientific and technological capabilities.

- ENS305K Specific Course Objectives
  - understand the meaning, history, and implications of specific examples of technology
  - develop a deeper understanding of the impacts of science & technology on our personal lives and life styles and on the environment in which our lives and the rest of Creation are embedded.
  - develop an ability to evaluate the appropriateness of technologies and to make wise choices involving the use of technologies in our everyday lives
  - integrate faith and social responsibility into a balanced understanding of our technological society

Course Texts

Assigned readings from current literature and other sources
Online Course Sample Component

**Account & email**
- You must set up a Bethel Community Account ([https://directory.bethel.edu/account](https://directory.bethel.edu/account) - Sign Up for a New Account)
- You must either consistently check your Bethel email account ([webmail](http://webmail.bethel.edu/)) or set the account to forward to an account you check consistently. ([https://directory.bethel.edu/account](https://directory.bethel.edu/account) - Change Where My Bethel Email is Delivered)
- You must create a personal web directory for use during the course. ([https://directory.bethel.edu/account](https://directory.bethel.edu/account) - Create My Personal Web Site)

**Participation**
Participation is required. In the on-line environment, participation is even more crucial than in a face-to-face classroom. You should be be spending no less than 9 hours/week on this course. Completing the reading, participating in the on-line discussion on a consistent basis, collaborating with your netmates (on-line classmates), and completing all assignments in a timely manner are all participation components.

**Assignments**
Assignments must be completed by the due date. Falling behind is not an option in an on-line course and is too often cited as the prime reason for not completing on-line courses.

**Honesty**
The Bethel policies on [academic honesty](https://www.bethel.edu/academic-honesty) and [computer integrity](https://www.bethel.edu/computer-integrity) apply to this course.

**Accessibility**
Students who wish to request disability-related accommodations for a course should talk with the instructor as soon as possible at the beginning of the course. Most accommodations are arranged through the office of Disability Services. For more information visit the Disability Services website at [http://www.bethel.edu/disability/](http://www.bethel.edu/disability/)

**Respect**
Diversity is an integral component of the created order and this is what makes life as a human so interesting. In an online environment, diversity will show up mainly in diversity of ideas and technical capabilities. Everyone in the class should feel willing and able to contribute their ideas and abilities to the course and everyone else should respect those ideas and abilities even if they may disagree or have different abilities. Standard netiquette should be used equivalent to what you would use in face to face conversations, discussions, and classrooms.
Any problems or complaints that you have either about the course or the instructor should be handled in the following manner. (1) Communicate your concern clearly to the instructor as a first step. (2) If you are not satisfied with the instructor's resolution of your concern, talk to Dr. Teresa DeGolier, Chair of the Biology Department. (3) If you are still not satisfied, then you should make an appointment to communicate your concerns to Dr. Deb Harless, Dean of Academic Affairs. If this procedure is not followed, the rights and freedoms of both the instructor and student are potentially violated.

- Bethel Information Technology Services staffs a help desk that can be reached via phone (651-638-6500) and email (stu-helpdesk@bethel.edu).
- Information about your Bethel Account (set up and preferences) can be found at https://directory.bethel.edu/account.
- Help for common Blackboard questions can be found using the help button in Blackboard (http://www.bethel.edu/its/is/teaching-technology/blackboard/).
- Help for other technology can be found on-line in the ITS knowledge base at http://kb.its.bethel.edu or in person at the Information Commons Learning Technology desk in the University Library.
- Contact your instructor (r-kistler@bethel.edu) Since this is an online course, I request that you use email as the preferred communication tool. I can be contacted via phone at 651-638-6313 - leave a voice mail and number if I am not in when you call, but you should reserve this for last resort emergency communication only.

Course Schedule Overview

<table>
<thead>
<tr>
<th>Dates</th>
<th>Topic Schedule</th>
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<tbody>
<tr>
<td>Week 1 Jan 31 - Feb 3</td>
<td>Why Technology &quot;Bites Back&quot;</td>
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<td>Week 2 Feb 5 - 10</td>
<td>Transforming Technologies: What do we mean? Transformers and transformees.</td>
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<tr>
<td>Week 3 Feb 12 - 17</td>
<td>Evaluating Technology: How do we know good from bad, right from wrong?</td>
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<td>Week 4 Feb 19 - 24</td>
<td>Transforming Health</td>
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<td>Week 5 Feb 26 - Mar 3</td>
<td>Transforming Food</td>
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<tr>
<td>Week 6 Mar 5 - 10</td>
<td>Transforming Housing</td>
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<td>Week 7 Mar 12 - 17</td>
<td>Transforming Work</td>
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<tr>
<td>Week 8 Mar 26 - Mar 31</td>
<td>Midterm Exam</td>
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<td>Week 9 April 2 - 7</td>
<td>Transforming Leisure and Play</td>
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<td>Week 10 April 10 - 14</td>
<td>Transforming Community</td>
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<td>Week 11 April 16 - 21</td>
<td>Transforming Politics</td>
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<td>Week 12 April 23 - 28</td>
<td>Transforming Transportation</td>
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<td>Week 13 April 30 - May 5</td>
<td>Transforming Energy</td>
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<td>Week 14 May 7 - 12</td>
<td>Transforming Religion</td>
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<td>Week 15 May 14 - 19</td>
<td>Transforming Spirit</td>
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<td>May 25</td>
<td>Final Exam must be completed by 5:00 pm</td>
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Updated: February 6, 2007