**INSTRUCTIONS:** Please check the items below which describe the purpose of this request.

- 1. New course with supporting documents (complete proposal form)
- 2. Add existing course offered at another campus
- 3. Expiration of a course
- 4. Change in course number
- 5. Change in course title
- 6. Change in course credit/type
- 7. Change in course attributes
- 8. Change in instructional hours
- 9. Change in course description
- 10. Change in course prerequisites
- 11. Change in semesters offered
- 12. Transfer from one department to another

**PROPOSED:**

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>Course Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH</td>
<td>520</td>
</tr>
</tbody>
</table>

**EXISTING:**

| Subject Abbreviation | Course Number |

**TERMS OFFERED**

Check All That Apply:
- Summer
- Fall
- Spring

**CAMPUS(ES) INVOLVED**

- Calumet
- Cont Ed
- Ft. Wayne
- N. Central
- Tech Statewide
- W. Lafayette
- Indianapolis

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

**CREDIT TYPE**

1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range: Minimum Cr. Hrs. (Check One)
   - Minimum Cr. Hrs. 3
3. Equivalent Credit: Yes
4. Thesis Credit: Yes

**COURSE ATTRIBUTES: Check All That Apply**

- 1. Pass/Not Pass Only
- 2. Satisfactory/Unsatisfactory Only
- 3. Repeatable
- 4. Credit by Examination
- 5. Designator Required
- 6. Special Fees
- 7. Registration Approval Type
- 8. Variable Title
- 9. Remedial
- 10. Honors
- 11. Full Time Privilege
- 12. Off Campus Experience

**COURSE DESCRIPTION (INCLUDE PREREQUISITES):**

Analyze ethical issues in a highly dynamic technology environment. Learn about legal, management, and moral issues of technology in a global society. Covers the ethical issues associated with the use of technology. Emphasis is on understanding the application of ethics to aspects of industrial and technical environments.

**Prerequisites:** Graduate Standing

**OFFICE OF THE REGISTRAR**
To: Purdue University Graduate Council

From: Faculty Member: Eugenia Fernandez
Department: CIT
Campus: Indianapolis

Date: 04/09/2007

Subject: Proposal for New Graduate Course/Documents Supporting Registrar’s Form 40
Contact information if questions arise
Name: Eugenia Fernandez
Phone Number: 317-274-6794
E-mail: efernand@iupui.edu
Course Number: TECH 520
Campus Address: SL 220, IUPUI
Course Title: Technology, Society & Ethics

A. Justification for the Course
   ☑ Explain how this course relates to other courses offered in the department or other departments and how this course fulfills a recognized need.

   ☑ This course is intended primarily for students
   Choose one: from within this department

B. Level of the course:
   ☑ Justify request for graduate course level by indicating anticipated enrollments of undergraduate and graduate students.
     Anticipated Undergraduate Student Enrollment: 10-25%
     Anticipated Graduate Student Enrollment: 75-100%

C. Prerequisites: (If none, please explain reasons for absence)
   ☑

D. Course Instructor:
   ☑ Instructor’s Name David Williamson

E1. Course Outline:
   ☑ (An outline of topics to be covered and an indication of the relative emphasis or time devoted to each topic is necessary. If laboratory or field experience is involved, the nature of this component should be explained as well).

E2. ☑ Method of Evaluation or Assessment:

F. Reading List:
   ☑ A reading list or bibliography should be limited to material the students will be required to read in order to successfully complete the course. It should not be a compilation of general reference material.
New Course Request

Check Appropriate Boxes: Undergraduate credit □ Graduate credit X Professional credit □

1. School/Division School of Engr and Tech
2. Academic Subject Code TECH
3. Course Number 520 (must be cleared with University Enrollment Services)
4. Instructor Williamson, D
5. Course Title Technology, Society & Ethics
   Recommended Abbreviation (Optional) Tech Society & Ethics
   (Limited to 32 Characters including spaces)
6. First time this course is to be offered (Semester/Year): Fall 2008
7. Credit Hours: Fixed at 3 or Variable from to
8. Is this course to be graded S-F (only)? Yes No X
9. Is variable title approval being requested? Yes No X
10. Course description (not to exceed 50 words) for Bulletin publication:
    Analyze ethical issues in a highly dynamic technology environment. Learn about legal, management, and moral issues of technology in a global society. Covers the ethical issues associated with the use of technology. Emphasis is on understanding the application of ethics to aspects of industrial and technical environments.
11. Lecture Contact Hours: Fixed at 3 or Variable from to
12. Non-Lecture Contact Hours: Fixed at 0 or Variable from to
13. Estimated enrollment: 15 of which 80% percent are expected to be graduate students.
14. Frequency of scheduling: 3 semesters. Will this course be required for majors? No
15. Justification for new course: This course is an elective for the new M.S. Technology program.
16. Are the necessary reading materials currently available in the appropriate library? Yes.
17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.
18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.
19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by: [Signature] Date 5/2/07
Department Chairman/Division Director

Dean of Graduate School (when required) Date

Approved by: [Signature] Date 5/19/07
Dean

Chancellor/Vice-President Date

University Enrollment Services Date

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.
I. HEADER:

Course Number: TECH 520  
Title: Technology, Society & Ethics

Instructor: Dr. David M Williamson  
Office: SL 220  
Phone: 274.6798  
Email: davwill@iupui.edu

Prerequisites: Graduate status in the School of Technology

II. COURSE DESCRIPTION AND RATIONALE:

Description

This course provides participants with an ability to understand and analyze ethical issues in a highly dynamic technology environment. Participants also learn about security, legal, management, and moral issues of technology in a global society. It supports the growing need to sensitize individuals concerning ethical issues associated with the utilization of technology.

The course places emphasis on understanding the application of ethics to aspects of industrial and technical environments.

Rationale

This is a required course in the M.S.T. program. Its aim is to provide students with the knowledge and skills to evaluate research articles from industry and technology.

Three modules in this course are also mentioned in CIT's undergraduate Ethics and Leadership course. However, they are covered in more depth than in the undergraduate level course. In addition, students in this course are required to do more rigorous research.

III. EDUCATIONAL OBJECTIVES:

Successful students will be able to:

➢ Gain a heightened ethical awareness as a technology professional
➢ Develop critical thinking skills concerning ethical analysis
➢ Refine communication skills concerning ethical analysis
> Develop responsible social behavior as a technology professional

### IV. COURSE CONTENT:

<table>
<thead>
<tr>
<th>Week</th>
<th>Module</th>
<th>Assignment</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction &amp; Ethical Reasoning</td>
<td>Read entire text listed in source column prior to this class session. Assignment 1 Due – Research Proposal – Statement of the Problem Due Second Class Session Have your research proposal ready to submit to instructor at the beginning of the session.</td>
<td>Paul, R. and Elder, L. (2005). The miniature guide to understanding the foundations of ethical reasoning (3rd ed.). Dillon Beach, CA: Foundation for Critical Thinking.</td>
</tr>
<tr>
<td>3</td>
<td>Ethical Analysis &amp; Evaluation</td>
<td>???????</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Codes of Ethics</td>
<td>Codes of Ethics Online Center for the Study of Ethics in the Professions Illinois Institute of Technology – <a href="http://ethics.iit.edu/codes/">http://ethics.iit.edu/codes/</a></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Codes of Ethics (continued)</td>
<td>Assignment 2 Due – Milestone 1 – Literature Review Due Fifth Class Session</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Moral, Legal, Policy, and Scientific Research (continued)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Liability, Safety, and Reliability</td>
<td>???????</td>
<td></td>
</tr>
<tr>
<td>Week</td>
<td>Topic</td>
<td>Assignment</td>
<td>Reading</td>
</tr>
<tr>
<td>------</td>
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</tr>
<tr>
<td>13</td>
<td>Genomics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

V. REQUIRED AND RECOMMENDED TEXTS:

REQUIRED MATERIALS:


**ADDITIONAL READINGS FROM:**


**VI. EVALUATION AND GRADING:**

Your course grade will be based on the following:

<table>
<thead>
<tr>
<th>Assessment Component</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction Assignment</td>
<td>15%</td>
</tr>
<tr>
<td>Literature Review Assignment</td>
<td>15%</td>
</tr>
<tr>
<td>Methods Assignment</td>
<td>15%</td>
</tr>
<tr>
<td>Class Preparation</td>
<td>20%</td>
</tr>
<tr>
<td>Oral Presentation &amp; Defense</td>
<td>10%</td>
</tr>
<tr>
<td>Written Project Proposal</td>
<td>25%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Lower Bound</th>
<th>Upper Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Range</td>
<td>4.0</td>
<td>3.6</td>
</tr>
<tr>
<td>B Range</td>
<td>3.5</td>
<td>2.6</td>
</tr>
<tr>
<td>C Range</td>
<td>2.5</td>
<td>1.6</td>
</tr>
<tr>
<td>F Range</td>
<td>1.5</td>
<td>0.0</td>
</tr>
</tbody>
</table>
ETHICS ASSIGNMENTS SCORING RUBRIC:

The following link will take you to the California Academic Press's Holistic Critical Thinking Rubric page. This rubric will be used to score you ethical writing assignments. You may want to check it out before you begin to work on your assignments. Holistic Critical Thinking Rubric

Grading Scale (for all assignments)

A Represents the highest grade possible and indicates outstanding achievement. This grade is not automatically given to the top student performance but instead indicates student work which demonstrates complete mastery of course learning objectives or evinces a level of creativity or originality which far exceeds course expectations. The grade indicates the student works independently and with strong initiative, seeking knowledge outside the normal framework of the course.

B Represents achievement considerably above expectations. Student performance demonstrates thorough understanding of course learning objectives and a high level of creativity or originality.

C Student performance meets designated course requirements and demonstrates understanding of the course material and attainment of the course learning objectives. This is the grade that may be expected of a student who puts forth a reasonable amount of time and effort and completes all requirements.

D This grade denotes substandard work and indicates incomplete and inadequate understanding of the course learning objectives. It indicates work which may not satisfy all requirements.

F This grade indicates serious deficiency in understanding course learning objectives and failure to complete requirements of the course.

VII. BIBLIOGRAPHY:

None

VIII. CHEATING AND PLAGIARISM:
Indiana University has adopted a code that applies, with only minor differences, to students on all Indiana University campuses. The code, which is available in the Office of the Dean of Students and in all school office, spells out what constitutes unacceptable behavior and the procedures to be followed when there are alleged cases of misconduct. The dean of students also has some very brief pamphlets on key areas of the code. What follows is not the code but rather abbreviated and paraphrased statements on key elements of the code: academic and personal misconduct as well as a section on what students should do if they believe that other students, faculty, or staff have violated their rights. The code also explains the procedures employed and how students may appeal decisions. For more information, consult the Code of Student Rights, Responsibilities, and Conduct as well as brochures located in the Office of the Dean of Students.

Indiana University Purdue University Indianapolis Code of Conduct

Cheating of any kind will be grounds for failure. You are allowed to discuss your assignments with others. However, you are expected to submit your own work for grading. You are expected to create your own assignments independent of others except when directed to work in teams. Do not cheat. The submission of false computer output is also considered to be cheating.

Cheating will not be tolerated. Cheating and/or plagiarism will be immediately punished with a grade of zero for the assignment in question, reported to the Chairman of the Department of Computer and Information Technology and a letter describing the infraction will be placed in your student file. Further disciplinary action will be pursued according to university policy as described in Part III of the Code of Student Rights, Responsibilities, and Conduct (Issued August 15, 1997).

Instructors using software to detect plagiarism are encouraged to investigate whether or not the student’s permission is needed.

**Turn It In**

All students’ work will be reviewed by the software Turn-it-in. This software compares the student work with work which is available across the Internet. Please review the Academic Honesty policies for guideline for the use of web related resources.
VIII. AMERICANS WITH DISABILITIES ACT:

If you have a disability and need accommodations, please inform your instructor privately as soon as possible. Students with disabilities seeking academic accommodations should contact Adaptive Educational Services at (317)-274-3241. The office is located in CA 001E.

IX. CAVEAT:

The procedures and schedule for this course are subject to change, with notice in writing or orally in class, depending on the pace of the class or in the event of extenuating circumstances.
From: Lindsey, Greg H.
Sent: Thursday, August 30, 2007 12:59 PM
To: Fernandez, Eugenia
Subject: course proposals

Dear Eugenia,

Thank you for meeting with me today and explaining that the courses you are proposing are existing courses on the West Lafayette Campus and that your proposal is to extend them so they can be offered here. Also, I appreciate your explanation that the courses focus on technology and that you are willing to collaborate with SPEA on curricular issues.

SPEA IUPUI is supportive of the action to offer the following three courses at IUPUI:

- OLS 580 Interpersonal Skills for Leaders;
- OLS 581 Leadership and Ethics; and
- Tech 520 Technology, Society, and Ethics.

Greg

Greg Lindsey
Associate Dean and Duey Murphy Professor
School of Public and Environmental Affairs
BS 3025, 801 W. Michigan
Indianapolis, Indiana 46202

Telephone: 317-274-2016
Fax: 317-274-5153
Mobile: 317-840-0995