INDIANA UNIVERSITY SOUTH BEND

GRADUATE COURSES

Curriculum Change
(New Course Requests / Course Change Requests / New Program Requests)

CAMPUS ROUTE SHEET

DIVISION/UNIT/DEPARTMENT: Center for Sustainable Future/Academic Affairs

CHANGE REQUESTED: New Course Request SUST 590.1

SIGNATURES

Dept/Unit Chair: [Signature] Date: 2/4/10

Unit Curriculum Committee Chair: [Signature] Date: [Blank]
(if applicable)

Dean/Assoc Dean: [Signature] Date: [Blank]

Senate Curriculum Committee Chair: Anne Brown Date: 4/15/10

Graduate Council: [Blank] Date: [Blank]

Assoc Vice Chancellor Academic Affairs: [Signature] Date: 5/3/10

July 2008: revised September 2008
New Course Request

Indiana University

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

1. School/Division: Academic Affairs
2. Academic Subject Code: SUST

3. Course Number: 2504 (must be cleared with University Enrollment Services)
4. Instructor: 

5. Course Title: Sustainability Strategies and Applications
   Recommended Abbreviation (Optional): Sustainability Strategies
   (Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Fall 2011

7. Credit Hours: Fixed at 3 or Variable from to

8. Is this course to be graded S-F (only)? Yes □ No □

9. Is variable title approval being requested? Yes □ No □

10. Course description (not to exceed 50 words) for Bulletin publication: This course is designed to provide an interdisciplinary framework within which students can study the foundations of sustainability and learn how to apply this knowledge to the development and implementation of sustainable values, strategies, practices and technologies in their businesses and organizations.

11. Lecture Contact Hours: Fixed at 3 or Variable from to

12. Non-Lecture Contact Hours: Fixed at or Variable from to

13. Estimated enrollment: 15 of which 100 percent are expected to be graduate students.

14. Frequency of scheduling: 1/yr

15. Justification for new course: To offer graduate courses in sustainability studies

16. Are the necessary reading materials currently available in the appropriate library? Yes □ No □

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: 3/4/10

Department Chairman/Division Director

Approved by: [Signature] Date: ____________

Dean

[Signature] Date: ____________

Chancellor/Vice-President

[Signature] Date: ____________

University Enrollment Services

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.
INDIANA UNIVERSITY SOUTH BEND
Sustainability Studies

SUST S501 Sustainability Strategies and Applications
Fall 2011

Dr. Mike Keen
Office: DW 2289
Phone: 520-4429
Email: mkeen@iusb.edu

This course is designed to provide an interdisciplinary framework within which students can study the foundations of sustainability, and learn how to apply this knowledge to the development and implementation of sustainable values, practices, technologies, and strategies in their businesses and organizations. It emphasizes interconnections between environment, economy and society, and encourages and empowers students to begin to apply sustainability strategies in their own settings in order to increase energy efficiency and use of resources, as well as to reduce environmental footprints.

We will begin with an exploration of the basic science underlying the principles of sustainability. Then we will examine a variety of strategies for integrating sustainability into businesses and organizations. Finally, each student will identify best sustainable practices in their industry or service area and develop a plan for how to begin to implement them in their own workplace.

READINGS LIST
Readings will be drawn from these sources, as well as additional articles to be identified during the course of the semester. Several freely available online web videos (e.g., TED) will also be assigned.

David Cook – The Natural Step: Towards a Sustainable Society
Daniel Esty and Andrew Winston – Green to Gold: How Smart companies Use Environmental Strategy to Innovate, Create Value, and Build Competitive Advantage
Andres Edwards – The Sustainability Revolution: Portrait of a Paradigm Shift
Paul Hawken – The Ecology of Commerce: A Declaration of Sustainability
Brian Nattrasse and Mary Altmare – The Natural Step for Business: Wealth, Ecology, and the Evolutionary Corporation

COURSE REQUIREMENTS
1. Class members should come to each session prepared to engage in discussion. A thorough reading of each assignment is expected.
2. Each class member will create and deliver an Introduction to Sustainability power point presentation introducing the members of your business or organization (or a community organization or similar entity of your choice) to the basic principles of sustainability and how they can be put into practice in this setting. This will be delivered to colleagues in class, as well as to colleagues in your business or organization. This assignment will
contribute 30% to the final grade and be evaluated on the basis of content and presentation.

3. Each class member will produce a Best Sustainability Practices White Paper (7-9 pages not including appendices) identifying best sustainability practices in your product or service area. This assignment will contribute 30% of the final grade.

4. Each class member will create a Sustainability Action Plan for his/her business or organization (or a business or organization of choice) which will identify how this business or organization can begin to strategically integrate sustainability into its mission, development, operations, procurement, facilities, disposal/waste streams, etc. Included in this plan should be a timeline along with a discussion not only of technologies, practices and procedures, but also how to begin to transform organizational culture and educate, engage, and enlist employees and management in sustainable practices. This assignment will contribute 30% to the final grade.

5. Finally, each class member will be responsible for an ongoing self-evaluation of her/his performance in the class. This will include maintaining an electronic portfolio in which all work completed for the course will be collected. A self-evaluation will be due two times during the semester. The final self-evaluation must be accompanied by the full portfolio at the end of the semester. At this time, students will also assign 10% of their own grade based on the self-evaluation and the portfolio.

**GRADING**

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Into to Sustainability Power Point Presentation</td>
<td>30%</td>
</tr>
<tr>
<td>Best Sustainability Practices White Paper</td>
<td>30%</td>
</tr>
<tr>
<td>Sustainability Action Plan</td>
<td>30%</td>
</tr>
<tr>
<td>Portfolio/Self-Evaluation</td>
<td>10%</td>
</tr>
</tbody>
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Each assignment will be given a letter grade that will contribute the above percentage to the final grade. The final grade will be calculated using official university Grading Code Scale:

- A+ = 4.0  
- A  = 4.0  
- B+ = 3.7  
- B  = 3.0  
- B- = 2.7  
- C+ = 2.3  
- C  = 2.0  
- C- = 1.7  
- D+ = 1.0  
- D- = 0.7  
- F  = 0

**COURSE OUTLINE**

1. **The Sustainability Revolution** – An examination of how changing views about the environment and growing concerns about global climate change are contributing to a sustainability revolution that is transforming how businesses and organizations work.

2. **System Conditions of Sustainability** – Examines the science of sustainability and the conditions of sustainable development.
3. **Integrating Sustainability into Businesses and Organization** – Explores strategies for turning your business or organization into a learning organization and how to integrate sustainability into its mission, culture, and operations. Strategies include sustainability audits, backcasting, A-B-C-D Planning, creating and implementing sustainability action plans, evaluation and sustainability metrics.

4. **Sustainability Tool Box** – A review of some of the best and most effective tools and tactics for sustainable transformation, i.e., low-hanging fruit, fruit higher up, dematerialization, relocalization, the 7 faces of Mount Sustainability, biomimicry.

5. **Sustainable Technologies, Products and Services** – A survey of the most recent technological developments as well as new products and services in areas such as energy efficiency, buildings, waste reduction, hyper resource efficiency, etc.


7. **Putting Your Business or Organization on the Path to Sustainability** – Investigation into best practices in your industry or service area and how they might begin to be implemented in your business or organization.

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**OTHER BUSINESS**

**Cell phones:**
Cell phones need to be turned off when you come into class.

**Religious Accommodations:**
If you require academic accommodations for a religious observance, please provide me with a written request to consider a reasonable modification for that observance by the end of the second week of the course. Contact me after class, during my office hours, or by individual appointment to discuss the issue. If after discussion we reach no consensus, either party or both should seek the advice of the Dean, and if no consensus is reached, then the advice of the Vice Chancellor of Academic Affairs (VCAA). Either the instructor or the student may appeal the VCAA=s decision to the Office of Affirmative Action within ten business days of the determination.

**Students with Disabilities:**
If you have a disability and need assistance, special arrangements can be made to accommodate most needs. Contact Jim Hassee, Director of Disabled Student Services (520-4832 or hassej@iusb.edu), as soon as possible to work out the details. Once Mr. Hassee has provided you with a letter attesting to your needs for modification please bring the letter to me.