

New Course Request

Indiana University

IUB lead campus; Campus also for IUPUI

Check Appropriate Boxes: Undergraduate credit Graduate credit Professional credit

1. School/Division Public and Environmental Affairs 2. Academic Subject Code SPEA

3. Course Number V 515 (must be cleared with University Enrollment Services) 4. Instructor Wm. M. Brown

5. Course Title Sustainable Communities

Recommended Abbreviation (Optional) _____
(Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Fall 2010

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: Course explores proactive strategies for moving communities toward economic, social and environmental sustainability. Through case studies, projects, tours, and visiting professionals the new thinking in community design, from individual green ~~EXCELLENCE~~ buildings to regional scales of transportation, land use, commerce, natural systems restoration, waste, food, water, and energy is developed.

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: 25 of which 100% percent are expected to be graduate students.

14. Frequency of scheduling: annually Will this course be required for majors? Yes

15. Justification for new course: This is a required course in the sustainability/sustainable development concentration that emphasizes the local rather than global scales of sustainability.

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. No course overlap.

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: David Reynolds Date 1/27/2010
Department Chairman/Division Director

Approved by: David Reynolds Date 1/27/2010
Dean

Date _____
Dean of Graduate School (when required)

Date _____
Chancellor/Vice-President

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.

Sustainability Communities – Fall 2010, SPEA-V 515, Section xxxxx

Instructor: William M. Brown, AIA, LEED AP

Office: Geology 429 (Office of Sustainability) Phone: 855-1822

Office Hours: by appointment

Course Description:

This course will examine human patterns and systems of settlement and explore proactive strategies for moving communities toward economic, social and environmental sustainability. The course begins with an overview of the imperatives for change as the majority of the world's people become urban dwellers for the first time in the history of civilization. Indianapolis and Bloomington are used as primary case studies and learning labs for group projects to illustrate the complex interrelated challenges communities of all sizes face as they strive to thrive in a carbon-constrained world of dwindling resources and growing population. We will explore new thinking in sustainable community design, from the scale of individual green buildings and complete streets to new thinking regarding sustainable regional systems of transportation, land use, commerce, natural systems restoration, waste, food, water and energy. Case study materials, group projects, tours, in-class exercises and visiting sustainability professionals will provide models for understanding community sustainability and social behavior; approaches for achieving behavioral change through community based social marketing and systems thinking; integrated sustainable community design approaches; organizational leadership theory and practice; dynamic governance frameworks; and tools for discovery, communication and execution that have proven effective at achieving positive change for communities large and small.

Required Texts:

Mark Roseland 2005. *Toward Sustainable Communities: Resources for Citizens and Their Governments*. New Society Publishers

Stephen Wheeler 2008. *The Sustainable Urban Development Reader*. Routledge

Course Goal and Outcomes: The goal of Sustainability Communities is to integrate your academic knowledge of sustainable communities with your lived experience in such a way as to develop your ability to lead community organizational and systemic change toward thriving, regenerative communities.

Class Format: Class sessions will feature a mix of lectures, discussions, student presentations, guest presentations by sustainability professionals, group project work sessions, tours, and class exercises in organizational change leadership tools.

Oncourse Site: Students will be required to utilize the class Oncourse site <https://oncourse.iu.edu/portal/site/xxxxxx> . For instructions, refer to: https://www.indiana.edu/~ittrain/oncourse/workshops_materials/ONSTU.pdf

Course requirements:

Team Project: As part of a team, you will integrate approaches to sustainable design, natural and social sciences, policy and economics to affect change in a real community setting.

MicroThemes: These are short essays that are long on critical thinking and short in terms of words used. These short assignments are designed to test your understanding of key topics and to keep your critical thinking and writing skills honed. These short bursts of genius will allow us to track how well you are learning and how well we are teaching.

MicroPresentations: These are short class presentations designed to develop your ability to communicate an influential message in a captivating manner in a short amount of time with and without media.

Participation, Discussion and Reflection: Each class will present a variety of opportunities for questions, discussion, and reflection and the value of your learning experience will be directly proportional to your active participation. Class participation is important for developing critical thinking, leadership, and communications skills essential for sustainability leaders. *Toolbox* exercises will provide hands-on opportunities to learn and test new skills for sustainability leaders. *Guests* will include state and local sustainability leaders in person and national sustainability leaders via teleconference and you will be expected to demonstrate your knowledge and interest with excellent questions, reflections and feedback. *Current Events in Sustainability Leadership* will provide the class with a forum for discussion of events that may be affecting the campus, community, nation and world. *Tours* will provide experiential learning in sustainability principles and allow you to meet sustainability leaders in their own realms.

In order to facilitate continuous learning and discussion on the topics covered in class sessions, online participation will also be necessary to receive full credit for the participation portion of your grade. Each week there will be a forum set up on Oncourse which will either present a lingering question from class or have another thought for everyone to share points of view. These should be short paragraph-length posts which demonstrate your understanding of the topic as well as contribute meaningfully to the course content. You will have a number of days between class sessions to add insightful comments and questions to the forum and it will account for half of your class participation for each week. The other half of your class participation grade will come from your contribution to live classroom discussion and other class related activities mentioned above. A special opportunity for credit in class participation this semester will be offered by attending and reporting back verbally on events associated with *Themester 2010: sustain.ability: Thriving on a Small Planet*.

Final exam: To determine how well you integrated key concepts into your portable toolbox, a final exam will be administered. Ungraded progress quizzes will help you measure your progress.

Grading policy:

Grade Components:

MicroThemes	15 points
MicroPresentations	15 points
Other Assignments	10 points
Group Project (Team)	15 points
Group Project (Individual)	15 points
Class Participation	15 points
<u>Final Exam</u>	<u>15 points</u>
TOTAL	100

Schedule and reading assignments:

Week 1	The Context for Sustainable Communities
Exercise	Introductions/Group Semester Project Discussion
Reading	Roseland – Chapter 1 – Context for Sustainable Communities
Reading	Wheeler – Part 1 – Origins of the Sustainability Concept (Pages 1 – 38)
Discussion	Current events in Community Sustainability Leadership
	MicroPresentation Introduction
	MicroTheme Introduction
Week 2	Toward Sustainable Communities
Exercise	Group Semester Project Selection/Case Study Assignments
Reading	Roseland – Chapter 2 – Toward Sustainable Communities
Reading	Wheeler – Part 1 – Origins of the Sustainability Concept (Pages 38-66)
Guest	TBD
Due	MicroPresentation 1 – A Picture of Sustainability
Discussion	Current events in Sustainability Community Leadership
Week 3	Making Community Policy
Toolbox	Brain Tools
Reading	Roseland – Chapter 3 – Making Community Policy
Reading	Wheeler – Part 2 – Dimensions of Urban Sustainability (Pages 67-86)
Due	MicroPresentation – A Picture of Sustainability
Discussion	Current events in Community Sustainability
Week 4	Greening the City
Toolbox	Designing a Preferred Future – Normal to Special
Reading	Roseland – Chapter 4 – Greening the City
Reading	Wheeler – Part 2 – Dimensions of Urban Sustainability (Pages 87-110)
Due	MicroTheme – Your Sustainability Leadership Story 1
Field Trip	Chicago
Discussion	Current events in Community Sustainability Leadership
Week 5	Water and Sewage
Guest	TBD
Reading	Roseland – Chapter 5 – Water and Sewage
Reading	Wheeler – Part 2 – Dimensions of Urban Sustainability (Pages 111-122)
Discussion	Current events in Community Sustainability Leadership
Due	MicroPresentation – Community Case Study
Week 6	Waste Reduction and Recycling
Toolbox	Using the Sustainable Value Matrix to Build a Case for Change
Reading	Roseland – Chapter 6 – Waste Reduction and Recycling

Reading	Wheeler – Part 2 – Dimensions of Urban Sustainability (Pages 123-156)
Due	MicroPresentation – Tribal Leadership
Discussion	Current events in Community Sustainability Leadership
Week 7	Energy Efficiency and Renewables
Toolbox	Using Commitment to Foster Sustainable Behavior
Tour	Wind Farm
Reading	Roseland – Chapter 7 – Energy Efficiency and Renewables
Reading	Wheeler – Part 2 – Dimensions of Urban Sustainability (Pages 157-178)
Due	Sustainable Value Matrix Draft for your group
Discussion	Current events in Community Sustainability Leadership
Week 8	Atmospheric Change and Air Quality
Toolbox	Using the Limits to Growth Model
Reading	Roseland – Chapter 8 – Atmospheric Change and Air Quality
Reading	Wheeler – Part 2 – Dimensions of Urban Sustainability (Pages 179-198)
Discussion	Current events in Sustainability Leadership
Due	Your Personal Commitment - Draft
Week 9	Transportation Planning and Traffic Management
Toolbox	How to conduct stakeholder dialogue interviews
Reading	Roseland – Chapter 9 – Transportation Planning and Traffic Management
Reading	Wheeler – Part 3 – Tools for Sustainability Planning (Pages 199-232)
Discussion	Current events in Community Sustainability Leadership
Guest	TBD
Due	MicroTheme – Neighborhood Analysis
Week 10	Spring Break
Week 11	Land Use and Urban Form
Reading	Roseland – Chapter 10 – Land Use and Urban Form
Reading	Wheeler – Part 5 – Visions of Sustainable Community (Pages 275-292)
Guest	TBD
Discussion	Current events in Community Sustainability Leadership
Week 12	Housing and Community Development
Exercise	Group Presentations
Reading	Roseland – Chapter 11 – Housing and Community Development
Due	Group Reports
Discussion	Current events in Community Sustainability Leadership
Week 13	Community Economic Development
Due	Individual Report
Reading	Roseland – Chapter 12 – Community Economic

	Development
Discussion	Current events in Community Sustainability Leadership
Week 14	Governing Sustainable Communities
Due	Group Presentations
Reading	Roseland – Chapter 13 – Governing Sustainable Communities
Discussion	Current events in Community Sustainability Leadership
Week 15	Tools for Community Sustainability
Due	Your Personal Commitment - Final
Guest	Guest Sustainability Leader or Leaders
Reading	Roseland – Chapter 14 – Tools for Community Sustainability
Discussion	Course feedback and personal reflection
Week 16	Final Exam