

CSUS 320: Section 1
Environmental Planning and Management
Department of Community Sustainability
College of Agriculture and Natural Resources
Michigan State University
Fall Semester 2014
Course Syllabus

Instructor:

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Online class materials available on D2L
Class Schedule: 10:20 am – 11:40 am Tuesday and Thursdays
223 Natural Resources Building

Office Hours:

Room 311A Natural Resources Building, MSU Main Campus
Tuesdays and Thursdays following class and by appointment

Course Outcomes:

Students will be able to:

1. Identify the essential components and principles of environmental planning, management and sustainable community development.
2. Identify and apply a cross disciplinary and multifaceted approach to understanding sustainability
3. Develop and apply critical thinking and analysis skills to evaluate the credibility of sustainability policy positions and scientific arguments.
4. Improve decision-making capabilities within the context of sustainability.
5. Use information technologies in their formal and informal learning.
6. Consider the importance of the legal and regulatory framework in undertaking environmental planning and successfully implementing environmental management projects/programs.
7. Apply life cycle analysis and systems thinking approaches in environmental planning and management.

Course Description:

3 credits, Lecture/Recitation/Discussion 3 hours. Interdisciplinary nature of environmental planning and management and community planning.

Week 1 – Introduction

1. Thursday August 28, 2014 - Introduction: Course structure, grading policy, and introductions

Week 2 – Foundations of Environmental Planning & Management

2. Tuesday September 2, 2014 – Reading Assignment: Daniels & Daniels, Part 1(1) The Environmental Planning Process - Taking Stock of the Local Environment and Creating an Environmental Action Plan, pp. 9-34. *Legal Foundations of Planning & Zoning. The power and limits of local governmental regulation of land use in Michigan, private property rights and the takings issue.*
3. Thursday September 4, 2014 - Reading Assignment: Daniels & Daniels, Part 1(2) The Legal, Economic, Ethical and Ecological Foundations of Environmental Planning. pp. 37-60.

Week 3 – Land Use and Community Planning

4. Tuesday September 9, 2014 – Reading Assignment: Daniels & Daniels, Part 3(18) Planning for a Sustainable Built Environment, pp. 373-398. *Basics of Land Use Planning & Zoning (Part 1). An introduction to community land use planning and regulation in Michigan.*
5. Thursday September 11, 2014 - Reading Assignment: Daniels & Daniels, Part 3(19) Planning for the Built Environment: Greenfield Development and Site Design, pp. 399- 425.

Week 4 – Land Use and Community Planning (continued)

6. Tuesday September 16, 2014 – Reading Assignment: Daniels & Daniels, Part 3(18) Planning for a Sustainable Built Environment, pp. 373-398. *Basics of Land Use Planning & Zoning (Part 2). An introduction to community land use planning and regulation in Michigan.*
7. Thursday September 18, 2014 - Reading Assignment: Daniels & Daniels, Part 3(19) Planning for the Built Environment: Greenfield Development and Site Design, pp. 399- 425.

Week 5 – Land Use and Community Planning (continued)

8. Tuesday September 23, 2014 – No Reading Assignment. *Land Development: Plan Implementation Tools and Techniques. An Overview of Michigan’s Land Division, Site Condominium and Subdivision Control Acts– How Does Land Get Divided and Developed?.*
9. Thursday September 25, 2014 – No Reading Assignment.

Week 6 – Planning for Natural Areas/Farmland Preservation

10. Tuesday September 30, 2014 – Reading Assignment: Daniels & Daniels, Part 3(8) Protecting the Nation’s Landscape Treasures, pp. 183-206. *Development Rights: Introduction to the purchase and transfer of development rights, and conservation easements*
11. Thursday October 2, 2014 - Reading Assignment: Daniels & Daniels, Part 4(13) Planning for Sustainable Working Landscapes: Farmland and Ranchland, pp. 377- 304.

Week 7 – Planning for Water Supplies

12. Tuesday October 7, 2014 – Reading Assignment: Daniels & Daniels, Part 2(3) Planning for Sustainable Water Supply pp. 67-98. *Introduction to Groundwater Science. Basics of groundwater or “hydrogeology.” Focus on groundwater science, interaction of groundwater and surface water, groundwater quantity and quality consideration and analytical techniques.*
13. Thursday October 9, 2014 – No Reading Assignment.

Week 8 – Planning for Water Supplies

14. Tuesday 14, 2014 – Reading Assignment: Daniels & Daniels, Part 2(4) Planning for Sustainable Water Quality pp. 99-124. *Riparian Rights. An introduction to Michigan law of the lakeshore, rivers and streams in Michigan.*
15. Thursday October 16, 2014 - **Exam #1 (100 Points Possible).**

Week 9 – Planning for Water Quality

16. Tuesday October 21, 2014 – Reading Assignment: Daniels & Daniels, Part 2(4) Planning for Sustainable Water Quality pp. 99-113. *Groundwater Disputes. Case studies of the Nestle Water Bottling Plant, Mecosta County, Michigan; Sand mining in Muskegon and Lapeer Counties; and groundwater disputes at area golf courses, Leelanau and Emmet Counties.*
17. Thursday October 23, 2014 - Reading Assignment: Daniels & Daniels, Part 2(4) Planning for Sustainable Water Quality pp. 114-240.

Week 10 – Wetland Planning and Management

18. Tuesday October 28, 2014 – Reading Assignment: Daniels & Daniels, Part 3(10) Planning and Managing Wetlands, pp. 229-240. *Wetlands: Science and Regulation. An introduction to wetland science and regulation in Michigan.*
19. Thursday October 30, 2014 – No Reading Assignment.

Week 11 – Wetland Planning and Management (continued)

20. Tuesday November 4, 2014 – Reading Assignment: Daniels & Daniels, Part 3(9) Planning for Wildlife Habitat, pp. 207-228. *Wetlands: Science and Regulation. An Introduction to Wetland Science and Regulation in Michigan.*
21. Thursday November 6, 2014 – No Reading Assignment.

Week 12 – Planning for Toxic Substances/Waste

22. Tuesday November 11, 2014 – Reading Assignment: Daniels & Daniels, Part 2(7) Planning for Toxic Substances and Toxic Waste, pp. 165-171.
23. Thursday November 13, 2014 - Reading Assignment.

Week 13- Planning for Toxic Substances/Wastes

24. Tuesday November 18, 2014 – Tuesday September 9, 2014 – Reading Assignment: Daniels & Daniels, Part 2(7) Planning for Toxic Substances and Toxic Waste, pp. 172-182.
25. Thursday November 20, 2014 – No Reading Assignment.

Week 14- Planning for Mineral Extraction – Oil and Gas

26. Tuesday November 25, 2014 – No Reading Assignment. *Natural Gas Development in Michigan. An overview of natural gas development and regulations in Michigan.*
27. Thursday November 27, 2014 – **No class – Thanksgiving break.**

Week 15- Planning for Mineral Extraction – Oil and Gas

28. Tuesday December 2, 2014 – No Reading Assignment. *Natural Gas Development in Michigan. An overview of natural gas development and regulations in Michigan.*

29. Thursday December 4, 2014 – No Reading Assignment.

Week 16- Final Exam Week

30. Tuesday December 9, 2014 – **Exam #2 (100 Points Possible)**

Exams:

No make-up exams will be scheduled in the event of an unexcused absence from class during an examination period. A written statement from a doctor will be required if medical reasons exist for absence from an examination period. In the event that absence during an examination exists, alternative means of grading student progress may be utilized.

Class Participation:

Class participation will be graded on the basis of student courtesy, engagement, scholarship, professionalism and the students’ demonstration of ability to integrate course concepts in questions asked of speakers and/or the course instructor.

Reading Assignments:

Assigned readings are from The Environmental Planning Handbook for Sustainable Communities and Regions, Tom and Katherine Daniels, Planners Press, 2003, ISBN 1-884829-66-X. Students are expected to come to class having read assignments in advance of each session. Please see the instructor if alternative or additional accommodations are needed for access to course reading materials.

Grading:

Grading for this course will be on the basis of a point system as follows:

<u>Points:</u>	<u>250 Total Possible:</u>
First Exam	100 points possible
Second Exam	100 points possible
Class Participation	50 points possible

Course grading: 250 points possible (may vary depending of class performance).

4.0	250 - 225 points
3.5	224 - 200 points
3.0	219 - 175 points
2.5	174 - 150 points
2.0	149 - 125 points
1.5	124 - 100 points
1.0	99 - 75 points
0.0	Less than 75 points

Important Dates:

9/1/14 - University closed – Labor Day Holiday
11/27/14 & 11/28/14 - Thanksgiving break (no class, university closed)
12/8-12/12/14 - Final exams week

Academic Misconduct:

Article 2.III.B.2 of the Academic Freedom Report states that “the student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards.” In addition, the Department of CSUS adheres to the policies and academic honesty as specified in General Student Regulations 1.0, Protection of Scholarship and Grades: the all-University Policy on Integrity of Scholarship and Grades: and Ordinance 17.00, Examinations. (See Spartan Life: Student Handbook and Resource Guide and/or MSU website: www.msu.edu).

Therefore, unless authorized by your instructor, you are expected to complete all course reading assignments, participate in class discussions and exams without assistance from any source. Students who violate MSU academic integrity rules may receive a penalty grade, including a failing grade in the course. Contact your instructor if you are unsure about the appropriateness of your course work. (See also <http://www.msu.edu/unit/ombud/dishonestyFAQ.html>). There will be no warnings – the maximum sanction allowed under University policy will occur on the first offense.

Accommodations:

Michigan State University is committed to providing equal opportunity for participation in all programs, services and activities. Requests for accommodations by persons with disabilities may be made by contacting the Resource Center for Persons with Disabilities at 517-884-RCPD or on the web at rpcd.msu.edu. Once your eligibility for an accommodation has been determined, will be issued a verified individual services accommodation (“RISA”) form. Please present this form to Dr. Grobbel at the start of the semester and/or two weeks prior to the accommodation date (i.e., exam date, etc.). Requests received after this date will be honored whenever possible.

Drops and Adds:

The last day to add this course is the end of the first week of classes. **The last day to drop this course with a 100 percent refund and no grade reported is September 3, 2014. The last day to drop this course with no grade reported is September 3, 2014.** You should immediately make a copy of your amended schedule to verify that you have added or dropped this course.

Commercialized Lecture Notes:

Commercialization of lecture notes and university-provided course materials is not permitted in this course.

Attendance:

Students whose names do not appear on the official class list for this course may not attend this class. Students who fail to attend the first four class sessions or class by the fifth day of the semester, whichever occurs first, may be dropped from the course. This course follows the General University Attendance Policy. If you miss a class due to a Special Consideration Absence as defined by University

Policy, your class participation grade from those excused absences days will be the average of your earned participation grades.

Disruptive Behavior:

Article 2.III.B.4 of the Academic Freedom Report (AFR) for students at Michigan State University states, “The student’s behavior in the classroom shall be conducive to the teaching and learning process for all concerned.” Article 2.IIIB.10 of the AFR states that “The student has a right to scholarly relationships with faculty based on mutual trust and civility.” General Student Regulation 5.02 states, “No student shall ...interfere with the functions and services of the University (for example, but not limited to, classes...) such that the function or service is obstructed or disrupted. Students whose conduct adversely affects the learning environment in this classroom may be subject to disciplinary action through the Student Faculty Judiciary process.

Campus Emergencies:

If an emergency arises in this classroom, building or vicinity, your instructor will inform you of actions to follow to enhance your safety. As a student in this class, you are responsible for knowing the location of the nearest emergency evacuation route or shelter. These directions appear on the maps posted on the walls throughout the Natural Resources Building. If police or university officials order an evacuation of the classroom or building, follow the posted emergency route in an orderly manner and assist those who might need help in reaching a barrier-free exit or shelter. To receive emergency messages, set your cellular phone on silent mode when you enter this classroom. If you observe or receive an emergency alert, immediately and calmly inform your instructor. (See also www.alert.msu.edu.)

E-Learning Policies:

Information technologies such as D2L and email will be used in this class. As a result there are some additional policies that must be understood.

- Students should regularly visit the course’s D2L site.
- Students should check their email frequently (all class email will be sent to the student’s official MSU email account.)
- Electronic course submittals, if any, should be free of any malware, viruses, worms, etc.
- This course recognizes the student’s right to privacy and adheres to the Family Educational Rights and Privacy Act (FERPA)
- Students need to review the university policy “Acceptable Use of Computing Systems, Software, and the University Digital Network” at <http://lct.msu.edu/guidelines-policies/aup>.
- Excessive emails make an unreasonable time demand on both sender and recipient.
- Please be sure you have a legitimate need before you write.
- Dr. Grobbel will answer email about:
 - Questions arising from difficulty in understanding course content.
 - Requests for feedback about grades, exams, etc.
 - Private issues appropriate from discussion within the teacher-student relationship.
- Dr. Grobbel will not answer email which:
 - Poses questions answered in the course information sections of the course D2L site.
 - Poses questions answered in the course syllabus.
 - Lacks a subject line clearly stating the purpose of the email and the course number (i.e., CSUS 320).

- Raises inappropriate subject(s).
- Dr. Grobbel will make every effort to answer email received on a given day no later than close of work on the next work day.
- The website tech.msu.edu provided a number of information technology resources for students.
- You are responsible for the operation of any personally owned computers you use on or off campus. A malfunctioning computer system is not a valid excuse for missing class or failing to participate in class discussion(s).
- Students are expected to have a high degree of self-motivation and self-direction in this class, and develop skills to excel in the course and in life.