

CLEVELAND STATE UNIVERSITY – SYLLABUS & COURSE INFORMATION

UST 441 - ENVIRONMENTAL PLANNING (3 Credit Hours)

FALL SEMESTER 2017

Thursdays, 6:00 – 8:50 PM, UR 253

Prerequisite Requirements: Prerequisites: UST 289 or UST 259 or permission of the instructor. Explores principles and processes of environmental planning, focusing on urban, metropolitan and regional levels; presents frameworks and techniques in areas such as site-plan review, urban design, urban environmental restoration, open space and habitat preservation, water quality, bioregionalism, and growth management; development of organizing principles for environmentally sustainable metropolitan regions.

Instructor recommends course UST 435 Environmental Policy as an additional prerequisite.

Instructor: Pamela L. Davis, AICP

Office Hours: Thursdays 5:00 PM, after class and by appointment

Email: Email via Blackboard or use P.L.DAVIS11@csuohio.edu

Cell Phone: (216) 246-4015 – EMERGENCIES only please

Important University Deadlines

Last day to drop course	September 8 th
Last day to withdraw from course	November 5 th
Finals Week	December 11 th -16 th

Course Organization and Objectives:

The purpose of this course is to present the concepts and frameworks used for environmental planning. This course will present both the contexts within which environmental planning takes place and the frameworks, tools and substantive knowledge with which environmental planners plan. The course uses examples from urban, metropolitan and regional environmental settings.

Course objectives include:

- explore the relationships between ecological conditions and human settlements and to understand how human activities affect these conditions;
- become familiar with the history and values of ecological/environmental planning; and
- become familiar with the methods for planning to mitigate environmental negatives and restore and sustain ecological integrity and human quality of life.

Course Materials Textbooks:

Landscape Planning: Environmental Applications, 5th Edition (Yellow Cover)

Author: William Marsh

The Environmental Planning Handbook for Sustainable Communities and Regions 1st Edition

Authors: Tom and Katherine Daniels

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Blackboard Utilization

This course will utilize Cleveland State University's Blackboard to host the most current course syllabus and internet reading materials for each classroom period. Blackboard will also be utilized for course announcements.

Student Grading

CSU uses the following letter grades with pluses and minuses. In the Levin College, the letter grades follow this numeric scale:

A	94-100 points	C+	77-79 points
A-	90-93 points	C	70-76 points
B+	87-89 points	D	60-69 points
B	83-86 points	F	59 points and below
B-	80-82 points		

Attendance Policy

The class sessions will consist of lectures by the instructor, guest presentations, student presentations, case study presentations, and class exercises. Active participation in class discussion is **required**. Attendance is expected at all sessions – **two excused absences** will be allowed. **Absences beyond the two excused will result in .5 point deduction per occurrence** from the attendance grade total. **Students are to send an email to the instructor regarding all absences.** All students are responsible for completing all weekly readings, any assignments given, and for participating in classroom discussion. Absences due to medical conditions or work situation, beyond the allowed absences will not result in deductions on attendance if the student provides official documentation by an appropriate profession or supervisor.

Incomplete Grades "I"

The "I" grade is given when the work in a course has been generally passing, but when some specifically required task has not been completed through no fault of the student.

An "I" grade can be assigned by the instructor when all three of the following conditions are met:

1. Student is regularly attending/participating in the class and has the potential to pass the course;
2. Student has not completed all assignments and has stopped attending/participating for reasons deemed justified by the instructor; and

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3. Student has notified the instructor prior to the end of the grading period.

Students with Special Needs

Educational access is the provision of classroom accommodations, auxiliary aids and services to ensure equal educational opportunities for all students regardless of their disability. Any student who feels he or she may need an accommodation based on the impact of a disability should contact the Office of Disability Services at (216) 687-2015. The Office is located in MC 147. Accommodations need to be requested in advance and will not be granted retroactively. Students should notify the instructor as soon as possible if they have been granted an accommodation through the Office of Disability Services.

Writing Assistance

Students with difficulty writing may contact the Writing Center located in Rhodes Tower 124 for assistance. Students should use the American Psychological Association (APA) format for citations and reference pages.

Plagiarism

Plagiarism is stealing and/or using the ideas or writings of another in a paper or report and claiming them as one's own. This includes but is not limited to the use, by paraphrase or direct quotation, of the work of another person without full and clear acknowledgment.

The penalties for plagiarism are found in full in the Student Handbook (Office of Student Life) under Academic Regulations (Policy on Academic Misconduct) at the following link:

<https://www.csuohio.edu/sites/default/files/StudentCodeOfConduct.pdf>

According to the CSU Student Code of Conduct: Plagiarism -- Stealing and/or using the ideas or writings of another in a paper or report and claiming them as your own. This includes but is not limited to the use, by paraphrase or direct quotation, of the work of another person without full and clear acknowledgment.

For the purpose of differentiating the degree of seriousness of acts of academic misconduct and the sanctions that should be imposed, the following definitions apply:

Minor Infraction -- Minor infractions comprise those instances of cheating, plagiarism, and/or tampering which affect the grade of an individual class assignment or project of lesser (<25% of grade) importance. Multiple instances of minor infractions within a course or across courses constitute a major infraction.

Major infraction -- Major infractions comprise those instances of cheating, plagiarism, and/or tampering which affect the overall course grade, such as a major/comprehensive exam, term paper or project, final grade evaluation, or academic standing and status.

Major infractions automatically result in an entry on the student's permanent record that the student has engaged in academic misconduct.

(<http://www.csuohio.edu/studentlife/StudentCodeOfConduct.pdf>)

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Allegations of cheating, plagiarism or tampering can be raised by any member of the University Community. However, appropriate action for alleged instances of academic misconduct is spelled out in the procedures and sanctions sections of in the Student Code of Conduct. The instructor will inform the student of all allegations and proposed sanctions immediately upon their determination. A resolution may be reached through an informal meeting between the faculty member or academic administrator and the student charged with academic misconduct,

with the student satisfied that the allegation was accurate and that the sanction imposed was appropriate. If the student disagrees with the charge made by a faculty member or academic administrator, or with the sanction imposed, the disagreement will ordinarily be resolved through the normal academic channels of the department chairperson and college dean. If no resolution is reached at these levels, the student has the right to a hearing and resolution of the matter before the Academic Misconduct Review Committee.

Important Course dates:

September 21, 2017 @ 6:00 PM	Web-Based Discussion #1 Closes
October 19, 2017 @ 6:00 PM	Resume for Career Services
November 2, 2017 @ 6:00 PM	Assignment #1 Due
November 23, 2017 @ 6:00 PM	NO CLASS – Thanksgiving
November 30, 2017 @ 6:00 PM	Web-Based Discussion #2 Closes
December 14, 2017 @ 6:00 PM	Final Assignment Due

August 31st – Class: Course Overview

Course overview and objectives, syllabus review

- Daniels – Introduction: Guarding the Future: Sustainable Environmental Planning and Development
- Marsh – Introduction: To the Book, the Field and Some Perspectives

September 7 – Class: Land Use & Environmental Planning

- Marsh – Chapter 1: Landscape Planning: Roots, Problems and Content
- Daniels – Chapter 1: Taking Stock of the Local Environment and Creating Environmental Action Plan

September 14 – Class: Legalities, Land Use and Ethics

- Marsh – Chapter 22: Framing the Land Use Plan: A Systems Approach
- Daniels – Chapter 2: The Legal, Economic, Ethical and Ecological Foundations of Environmental Planning

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- Ethics of Planning

September 21 – Class: Physiography, Topography and Landscape Form

- Marsh – Chapter 2: The Physiographic Framework of the United States and Canada
- Marsh – Chapter 3: Landscape Form and Function in Planning & Design
- Marsh – Chapter 4: Topography, Slopes, and Land Use Planning

Web-Based Discussion #1 Closes

September 28 – Class: Water Supply Planning

- Daniels – Chapter 3: Planning for Sustainable Water Supply
- Marsh – Chapter 7: Groundwater Systems, Land Use Planning and Aquifer Protection

October 5 – Class: Streams & Water Quality Planning

- Marsh – Chapter 9: Watersheds, Drainage Nets, and Land Use Planning
- Marsh – Chapter 10: Streamflow, Flood Plains, Flood Hazards and Land Use Planning
- Daniels – Chapter 4: Planning for Sustainable Water Quality

October 12 – Class: Watershed Planning

- Marsh - Chapter 13: Best Management Practices, Watersheds, and Development Sites
- Marsh – Chapter 14: The Riparian Landscape: Streams, Channel Forms and Valley Floors
- Watershed Action Planning Process
 - Ohio EPA Guide to Local Watershed Planning
<http://www.epa.state.oh.us/dsw/nps/wsguide.pdf>
 - Appendix 8 http://www.epa.state.oh.us/dsw/nps/NPS_WAP_APP8.pdf
 - USEPA’s Watershed Academy Web page
https://cfpub.epa.gov/watertrain/moduleFrame.cfm?parent_object_id=2868
 - USEPA new <https://www3.epa.gov/region9/water/nonpoint/9elements-WtrshdPlan-EpaHndbk.pdf>
 - Chagrin River Watershed – www.crowp.org
 - Watershed Action Plan - <http://www.crowp.org/index.php/projects/watershed-plans>
 - Balanced Growth Plan - <http://www.crowp.org/index.php/projects/watershed-plans>
 - Ohio Lake Erie Commission Balanced Growth Initiative - <http://balancedgrowth.ohio.gov/>

October 19 - Class: Stormwater Runoff & Water Quality

- Marsh – Chapter 8: Runoff & Stormwater Management in a Changing Landscape
- Marsh - Chapter 11: Water Quality, Runoff Considerations, and Landscape Management
- Marsh – Chapter 12: Soil Erosion, Stream Sedimentation & Landscape Management

DUE: Career Services Resume

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October 26 – Class: Career Services Presentation

November 2 – Class: Wetlands & Coastal Landscapes

- Daniels – Chapter 10: Planning and Managing Wetlands
- Marsh – Chapter 21: Wetlands, Habitat, and Land Use Planning
- Daniels – Chapter 11: Coastal Zone Management
- Marsh – Chapter 15: The Coastal Landscape: Shoreline Systems, Landforms, and Management Considerations

DUE: Assignment 1

November 9 – Class: Soils & Waste Disposal

- Marsh – Chapter 5: Assessing Soil for Land Use Planning and Waste Disposal
- Marsh – Chapter 6: Site, Soils and Wastewater Disposal Systems

November 16 – Class: Land Use, Natural Landscapes & Habitats

- Daniels – Chapter 8: Protecting the Nation’s Landscape Treasures
- Daniels – Chapter 9: Planning for Wildlife
- Marsh – Chapter 19: Vegetation, Land Use and Environmental Assessment
- Marsh – Chapter 20: Landscape Ecology, Land Use, and Habitat Conservation Planning

November 23 – NO CLASS: THANKSGIVING

November 30 – Class: Transportation and Air Quality

- Daniels – Chapter 5: Planning for Sustainable Air Quality
- Daniels – Chapter 16: Transportation Planning and the Environment
- Marsh - Chapter 17: Microclimate, Air Pollution and the Urban Environment

Web-Based Discussion #2 Closes

December 7 – Class: Built Environments & Trends

- Daniels – Chapter 17: Planning for Energy
- Daniels – Chapter 18: Planning for a Sustainable Built Environment
- Daniels – Chapter 19: Planning for the Built Environment: Greenfield Development and Site Design
- Daniels – Chapter 20: Positive Trends and Urgent Needs for Sustainable Environmental Planning

December 14 – Finals Week – NO CLASS

DUE: Final Assignment