

EVSP413

STUDENT WARNING: This course syllabus is from a previous semester archive and serves only as a preparatory reference. Please use this syllabus as a reference only until the professor opens the classroom and you have access to the updated course syllabus. Please do NOT purchase any books or start any work based on this syllabus; this syllabus may NOT be the one that your individual instructor uses for a course that has not yet started. If you need to verify course textbooks, please refer to the online course description through your student portal. This syllabus is proprietary material of APUS.

Course Summary

Course : EVSP413 **Title :** Environmental and Ecosystems Management

Length of Course : 8

Prerequisites : EVSP310 **Credit Hours :** 3

Description

Course Description: This course focuses on contemporary theories and practices associated with environmental and ecosystems management. Industrial, economic, commercial, political, developmental, and other issues and concerns that influence environmental and ecosystems management are addressed. (Prerequisite: EVSP310)

Course Scope:

This course will explore the basic principles of environmental and ecosystem management in the United States. The student will learn these fundamentals, including relevant terminology, case studies, and will investigate current events in environmental and ecosystem management. The student will be challenged to assess their individual philosophies of environmental and ecosystem management by the end of the course.

Objectives

After successfully completing this course, you will be able to:

LO-1 Discuss the evolution of and processes involved with environmental planning in the United States.

LO-2 Demonstrate knowledge of land conservation tools and sustainable development.

LO-3 Describe the tools used at Federal, State and local levels to promote environmental and ecosystem planning.

LO-4 Evaluate techniques used for natural hazard mitigation and ecosystem and watershed protection.

LO-5 Analyze the application of GIS and other computer technologies for land use planning and environmental management.

LO-6 Discuss primary methods of assessing surface water transport and management tools.

LO-7 Assess fundamentals of groundwater management, urban forestry, and wetlands mitigation.

LO-8 Integrate course materials learned to discuss complex issues of habitat, biodiversity, carrying capacity, and environmental impact statement analysis.

Outline

Week 1: Introduction: A framework for environmental land use planning and management

Course Objectives

LO-1 Discuss the evolution of and processes involved with environmental planning in the United States.

Readings

Dibyendu, Datta, Mukherjee, and Hannigan Chapters 1, 2, & 3

Week 1 Lesson

Assignments

Forum 1

Week 2: Environmental Data & GIS Soils, Agriculture, and Land Use

Course Objectives

LO-2 Demonstrate knowledge of land conservation tools and sustainable development.

LO-5 Analyze the application of GIS and other computer technologies for land use planning and environmental management.

Readings

Sarkar et al. Chapters 4, 5, 6, & 7

Week 2 Lesson

Assignments

Forum 2

Quiz 1

Week 3: Water Management

Course Objectives

LO-3 Describe the tools used at Federal, State and local levels to promote environmental and ecosystem planning.

LO-6 Discuss primary methods of assessing surface water transport and management tools.

LO-7 Assess fundamentals of groundwater management, urban forestry, and wetlands mitigation.

Readings

Sarkar et al. Chapters 8, 9, 10, & 11

Week 3 Lecture Notes

Assignments

Forum 3

Quiz 2

Week 4: Urban Ecology Climate Change

Course Objectives

LO-2 Demonstrate knowledge of land conservation tools and sustainable development.

LO-3 Describe the tools used at Federal, State and local levels to promote environmental and ecosystem planning.

Readings

Sarkar et al. Chapters 12, 13, & 14

Week 4 Lessons

Assignments

Forum 4

Quiz 3

Week 5: Natural Hazards Methods & Metrics

Course Objectives

LO-2 Demonstrate knowledge of land conservation tools and sustainable development.

LO-4 Evaluate techniques used for natural hazard mitigation and ecosystem and watershed protection.

Readings

Sarkar et al. Chapters 15 & 16

Week 5 Lessons

Assignments

Forum 5

Quiz 4

Proposal for Final Project Topic Approval

Week 6: Sustainability

Course Objectives

LO-2 Demonstrate knowledge of land conservation tools and sustainable development.

Readings

Sarkar et al. Chapters 17 & 18

Week 6 Lessons

Assignments

Forum 6

Quiz 5

Week 7: Community Growth Management

Course Objectives

LO-2 Demonstrate knowledge of land conservation tools and sustainable development.

LO-3 Describe the tools used at Federal, State and local levels to promote environmental and ecosystem planning.

Readings

Sarkar et al. Chapters 19 & 20

Week 7 Lessons

Assignments

Forum 7

Week 8: Integrative Management of Ecosystems & Watersheds

Course Objectives

CO-6

CO-7

CO-8

LO-1 Discuss the evolution of and processes involved with environmental planning in the United States.

LO-2 Demonstrate knowledge of land conservation tools and sustainable development.

LO-3 Describe the tools used at Federal, State and local levels to promote environmental and ecosystem planning.

LO-4 Evaluate techniques used for natural hazard mitigation and ecosystem and watershed protection.

LO-5 Analyze the application of GIS and other computer technologies for land use planning and environmental management.

LO-6 Discuss primary methods of assessing surface water transport and management tools.

LO-7 Assess fundamentals of groundwater management, urban forestry, and wetlands mitigation.

LO-8 Integrate course materials learned to discuss complex issues of habitat, biodiversity, carrying capacity, and environmental impact statement analysis.

Readings

Sarkar et al. Chapter 21

Week 8 Lessons

Assignments

Forum 8

Final Project Due

REMINDER: All work is Due by 11:55pm Eastern Time on Sunday

Evaluation

Grading:

Name	Grade %
Weekly Forums	24.00 %
Forum 1	3.00 %
Forum 2	3.00 %
Forum 3	3.00 %
Forum 4	3.00 %
Forum 5	3.00 %
Forum 6	3.00 %
Forum 7	3.00 %
Forum 8	3.00 %
Quizzes	40.00 %
Quiz 1 (Week 2)	8.00 %
Quiz 2 (Week 3)	8.00 %
Quiz 3 (Week 4)	8.00 %
Quiz 4 (Week 6)	8.00 %
Quiz 5 (Week 7)	8.00 %
Project Presentation Proposal	15.00 %
Project Topic Proposal (Week 5)	15.00 %
Final Project Presentation	21.00 %
Final Project	21.00 %

Materials

Book Title: An Integrated Approach to Environmental Management - eBook available through the APUS Online Library.

Author: Dibyendu Sarkar

Publication Info: Wiley Lib

ISBN: 9781118744352

Book Title: To find the library e-book(s) req'd for your course, please visit <http://apus.libguides.com/er.php> to locate the eReserve by course #. You must be logged in to eCampus first to access the links.

Author: N/A

Publication Info: N/A

ISBN: N/A

Required Readings

See the Lessons section of the classroom for additional readings and weekly lecture notes

Additional Resources: Please go to the program guides in the APUS Library for additional resources:

- Environmental Science: http://apus.libguides.com/environmental_science

Software Requirements

- Microsoft Office (MS Word, MS Excel, MS PowerPoint) - American Public University System provides Microsoft Office 365 to AMU/APU students and faculty at no cost
- Adobe Acrobat Reader

Websites

In addition to the required course texts there are many public domain Websites are useful. Please abide by the university's academic honesty policy when using Internet sources as well. Note web site addresses are subject to change.

Environmental News Network: <http://www.enn.com/>

The Smart Land Use Project website: <http://landuse.org/>

Decision Support, Planning, & NEPA at the BLM <http://www.blm.gov/wo/st/en/prog/planning.html>

Collaborative Ecosystem Management (How to resolve environmental conflicts in a positive manner)
<http://www.snre.umich.edu/ecomgt/collaboration.htm>

Course Guidelines

Citation and Reference Style

- Attention Please: Students will follow the APA Format as the sole citation and reference style used in written work submitted as part of coursework to the University. Assignments completed in a narrative essay or composition format must follow the citation style cited in the APA Format.

Tutoring

- [Tutor.com](http://www.tutor.com) offers online homework help and learning resources by connecting students to certified tutors for one-on-one help. AMU and APU students are eligible for 10 free hours* of tutoring provided by APUS. Tutors are available 24/7 unless otherwise noted. Tutor.com also has a SkillCenter Resource Library offering educational resources, worksheets, videos, websites and career help. Accessing these resources does not count against tutoring hours and is also available 24/7. Please visit the APUS Library and search for 'Tutor' to create an account.

Late Assignments

- Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. The due date for each assignment is listed under

each Assignment.

- Generally speaking, late work may result in a deduction up to 15% of the grade for each day late, not to exceed 5 days.
- As a working adult I know your time is limited and often out of your control. Faculty may be more flexible if they know ahead of time of any potential late assignments.

Turn It In

- Faculty may require assignments be submitted to Turnitin.com. Turnitin.com will analyze a paper and report instances of potential plagiarism for the student to edit before submitting it for a grade. In some cases professors may require students to use Turnitin.com. This is automatically processed through the Assignments area of the course.

Academic Dishonesty

- Academic Dishonesty incorporates more than plagiarism, which is using the work of others without citation. Academic dishonesty includes any use of content purchased or retrieved from web services such as CourseHero.com. Additionally, allowing your work to be placed on such web services is academic dishonesty, as it is enabling the dishonesty of others. The copy and pasting of content from any web page, without citation as a direct quote, is academic dishonesty. When in doubt, do not copy/paste, and always cite.

Submission Guidelines

- Some assignments may have very specific requirements for formatting (such as font, margins, etc) and submission file type (such as .docx, .pdf, etc) See the assignment instructions for details. In general, standard file types such as those associated with Microsoft Office are preferred, unless otherwise specified.

Disclaimer Statement

- Course content may vary from the outline to meet the needs of this particular group.

Communicating on the Forum

- Forums are the heart of the interaction in this course. The more engaged and lively the exchanges, the more interesting and fun the course will be. Only substantive comments will receive credit. Although there is a final posting time after which the instructor will grade comments, it is not sufficient to wait until the last day to contribute your comments/questions on the forum. The purpose of the forums is to actively participate in an on-going discussion about the assigned content.
- “Substantive” means comments that contribute something new and hopefully important to the discussion. Thus a message that simply says “I agree” is not substantive. A substantive comment contributes a new idea or perspective, a good follow-up question to a point made, offers a response to a question, provides an example or illustration of a key point, points out an inconsistency in an argument, etc.
- As a class, if we run into conflicting view points, we must respect each individual's own opinion. Hateful and hurtful comments towards other individuals, students, groups, peoples, and/or societies will not be tolerated.

University Policies

[Student Handbook](#)

- [Drop/Withdrawal policy](#)
- [Extension Requests](#)
- [Academic Probation](#)

- [Appeals](#)
- [Disability Accommodations](#)

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