

# EVSP430

**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.

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## Course Summary

**Course :** EVSP430 **Title :** Pollution and Pollution Management

**Length of Course :** 8

**Prerequisites :** N/A **Credit Hours :** 3

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## Description

**Course Description:** This course focuses on pollution, its influence on the environment and ecosystems, and the major strategies designed to prevent or contain it. Topics include basic principles in pollution management, air pollution, marine and freshwater pollution, managing radiation, and the influence of society on pollution management. No prior experience with pollution management is needed, although the student is expected to have enthusiasm for the subject matter.

### Course Scope:

This course will provide an introduction to pollution issues as related to toxicology and exposures to environmental contaminants, air quality, water quality and management, climate change, non-renewable resource use and wastes generated by human endeavors. We will focus on major environmental issues and the data that are used to understand these issues. During exploration of the issues the students will learn how to apply critical thinking skills for drawing informed conclusions.

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## Objectives

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

- LO-1 Explain the different pathways through which pollution enters the environment.
- LO-2 Identify the various sources of air pollution and air pollution management methodologies.
- LO-3 Identify the various sources of pollution of water resources and water pollution management methodologies.
- LO-4 Explain how we manage solid wastes on a local and global scale.
- LO-5 Describe the pollution issues associated with energy production and use.
- LO-6 Evaluate the use of pesticides, their impact upon the environment and the philosophy behind Integrated Pest Management.
- LO-7 Examine sources of pollution within the home environment.
- LO-8 Demonstrate an understanding of the concept of zero waste/zero emissions.

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# Outline

## Week 1: Introduction and Basic Principles

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### Learning Objectives

LO-1 Explain the different pathways through which pollution enters the environment.

### Readings

Chapters 1-4 (Hill): Understanding pollution, reducing pollution, chemical toxicity, chemical exposures & risk assessment

### Assignments

Forum 1

Quiz 1

## Week 2: Air Pollution and Its Impacts

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### Learning Objectives

LO-2 Identify the various sources of air pollution and air pollution management methodologies.

### Readings

Chapter 5 (Hill): Air pollution

Understanding the Clean Air Act: <http://www.epa.gov/air/caa/peg/understand.html>

### Assignments

Forum 2

Quiz 2

Case Study

## Week 3: Air Pollution, Regulation and Management

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### Learning Objectives

LO-2 Identify the various sources of air pollution and air pollution management methodologies.

### Readings

Chapters 6-8 (Hill): Acidic deposition, global climate change, and stratospheric-ozone depletion

Case Studies Search site: <http://costperformance.org/search.cfm>

### Assignments

Forum 3

Summary: Air

## **Week 4: Water Pollution**

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### Learning Objectives

LO-3 Identify the various sources of pollution of water resources and water pollution management methodologies.

### Readings

Chapters 9-10 (Hill): Water pollution and drinking water pollution

Case Studies Search site: <http://costperformance.org/search.cfm>

### Assignments

Forum 4

Case Study

Summary: USFreshwater

## **Week 5: Pollution from Solid and Hazardous Waste**

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### Learning Objectives

LO-4 Explain how we manage solid wastes on a local and global scale.

### Readings

Chapters 11-12 (Hill): Solid waste and Hazardous waste

Case Studies Search site: <http://costperformance.org/search.cfm>

### Assignments

Forum 5

Case Study

## **Week 6: Energy: Pollution from its Production & Use**

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### Learning Objectives

LO-5 Describe the pollution issues associated with energy production and use.

### Readings

Chapters 13-14 (Hill): Energy and Persistent, bioaccumulative toxins

Case Studies Search site: <http://costperformance.org/search.cfm>

### Assignments

Forum 6

Case Study

## **Week 7: Metals & Pesticides**

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## Learning Objectives

LO-6 Evaluate the use of pesticides, their impact upon the environment and the philosophy behind Integrated Pest Management.

## Readings

Chapters 15-16 (Hill): Metals and Pesticides

Case Studies Search site: <http://costperformance.org/search.cfm>

## Assignments

Forum 7

Case Study

## **Week 8: Pollution at Home; Zero Waste, Zero Emissions FINAL ASSESSMENT**

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## Learning Objectives

LO-7 Examine sources of pollution within the home environment.

LO-8 Demonstrate an understanding of the concept of zero waste/zero emissions.

## Readings

Chapters 17-18 (Hill): Pollution at home and zero waste, zero emissions

## Assignments

Forum 8

Final Assessment

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## **Evaluation**

### **Grading:**

<b>Name</b>	<b>Grade %</b>
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 %
Written Assignments	49.00 %
1 Air Pollution Summary	7.00 %
2 Air	7.00 %
3 Water	7.00 %
4 US Freshwater	7.00 %

5 NPL	7.00 %
6 Energy/PBT	7.00 %
7 Metals/Pesticides	7.00 %
Quizzes	12.00 %
Quiz 1: Understanding Pollution	6.00 %
Quiz 2 - Air Pollution	6.00 %
Final Assessment	15.00 %
Week 8 Final Assessment	15.00 %

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## Materials

**Book Title:** Understanding Environmental Pollution, 3rd Ed - e-book available in the APUS Online Library

**Author:** Hill, Marquita

**Publication Info:** Cambridge University Press

**ISBN:** 9780521736695

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**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

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## 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://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.

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## University Policies

### [Student Handbook](#)

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

- [Disability Accommodations](#)

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