

# EVSP605

**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

### Description

**Course Description:** This course is an introduction to energy policy and decision making, primarily in the United States. Students will examine the nature and scope of environmental, energy, and resource problems, analyze the goals and strategies of the renewable energy movement, investigate ideological, political, and institutional forces that shape policymaking and implementation, and conduct in-depth analyses of the various approaches to U.S. energy needs. An exploration of renewable energy technology, feasibility, and implementation is incorporated through the analysis of case studies and current events.

#### Course Scope:

This course is a study of the topic of energy policy and sustainability, with an emphasis on the impacts on society as well as the environment. The primary learning approach used in this course will be student research and investigation, coupled with readings from peer-reviewed journals and scientific and government published reports.

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### Objectives

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

1. Examine the historical context and processes of the energy and resource policies of the U.S.
2. Examine the inter-relationship of energy and environmental policies.
3. Critique the policy processes surrounding the development of alternative sources of energy including nuclear, geothermal, hydroelectric, wind, solar and biomass.
4. Assess existing political, socio-economic, ethical, cultural and legal frameworks for environmental decision making related to energy policy and sustainability.
5. Analyze the role of science, engineering and technology in the decision making process that is used to formulate U.S. energy policy.

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### Outline

#### Week 1: Introduction to Energy Policy & Sustainability

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Learning Objectives

## **LO-1, LO-2, LO-3, LO-4**

Readings

### **Text Readings:**

Chapter 1

### **In Resources:**

Week 1 Supplemental Readings

Assignments

Forum 1

Worksheet 1

## **Week 2: Energy Consumption Trends & Energy Policy**

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Learning Objectives

## **LO-1, LO-2, LO-3, LO-4**

Readings

### **Text Readings:**

Chapters 2 and 17

### **In Resources:**

Week 2 Supplemental Readings

Assignments

Forum 2

Worksheet 2

## **Week 3: Oil & Gas**

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Learning Objectives

## **LO-1, LO-2, LO-4, LO-5**

Readings

### **Text Readings:**

Chapters 2 and 4

### **In Resources:**

Week 3 Supplemental Readings

Assignments

Forum 3

## Worksheet 3

### **Week 4: Coal & Carbon Sequestration**

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Learning Objectives

**LO-1, LO-2, LO-4, LO-5**

Readings

Week 4 Supplemental Readings

Assignments

Forum 4

Worksheet 4

Mid-Term Project

### **Week 5: Nuclear Energy**

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Learning Objectives

**LO-1, LO-2, LO-3, LO-4, LO-5**

Readings

**Text Readings:**

Chapter 4

**In Resources:**

Week 5 Supplemental Readings

Assignments

Forum 5

Worksheet 5

### **Week 6: Wind & Solar**

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Learning Objectives

**LO-2, LO-3, LO-5**

Readings

**Text Readings:**

Chapters 11 and 12

**In Resources:**

Week 6 Supplemental Readings

Assignments

Forum 6

Worksheet 6

## **Week 7: Hydropower, geothermal, biofuels**

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Learning Objectives

**LO-2, LO-3, LO-5**

Readings

### **Text Readings:**

Chapter 14

### **In Resources:**

Week 7 Supplemental Readings

Assignments

Forum 7

Worksheet 7

Final Project

## **Week 8: Transportation, utilization, and course review**

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Learning Objectives

**LO-5**

Readings

### **Text Readings:**

Chapters 13

### **In Resources:**

Week 8 Supplemental Readings

Assignments

Forum 8

Worksheet 8

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## **Evaluation**

Your success will be evaluated according to the following guidelines:

### **Reading Assignments and Supplemental Readings:**

Reading assignments will be evaluated through weekly worksheets found in the Tests & Quizzes section. Success in the reading assignments are also reflected in your mid-term and final projects.

### **Forum Assignments:**

Success in the forum assignments will be evaluated based on the submission of required posts and their contents.

### **Homework Assignments:**

Homework assignments, found in the Resources section will be evaluated through the student's responses and are designed to probe the student's comprehension of the reading assignments.

### **Exams/Quizzes**

This course does not use exams or quizzes.

### **Field Experience Assignments:**

None

### **Final Project:**

The final project will be evaluated on the basis of the rubric found on the assignment page.

### **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 %
Worksheets	40.00 %
Worksheet 1	5.00 %
Worksheet 2	5.00 %
Worksheet 3	5.00 %
Worksheet 4	5.00 %
Worksheet 5	5.00 %
Worksheet 6	5.00 %
Worksheet 7	5.00 %
Worksheet 8	5.00 %
Mid-Term	16.00 %
Mid Term Carbon Footprint Project	16.00 %
Final Projects	20.00 %
Final Energy Policy Project	20.00 %

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## Materials

**Book Title:** Energy for Sustainability

**Author:** Randolph, John

**Publication Info:** Island Press

**ISBN:** 9781597261036

### Required Course Textbooks

Text: *Energy for Sustainability: Technology, Planning, Policy*. Authors: John Randolph and Gilbert M. Masters, ISBN: 1597261033. Publication Information: Island Press, 2008.

E-book. Available at no cost online: <http://site.ebrary.com.ezproxy2.apus.edu/lib/apus/Doc?id=10240753>

### Required Readings

Online Readings: There will be many throughout the course (see syllabus and Resources section).

### Additional Resources

#### Websites

In addition to the required course texts the following 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.

Site Name	Website URL/Address
Energy Information Agency	<a href="http://www.eia.gov/">http://www.eia.gov/</a>
Energy Now	<a href="http://www.energynow.com">http://www.energynow.com</a>
CO2 Now.org	<a href="http://co2now.org/">http://co2now.org/</a>

*Energy: Science, Policy, and the Pursuit of Sustainability*. Robert Bent, Lloyd Orr, and Randall Baker (eds.); Island Press, Washington, DC, 2002. E-book. Available at online: <http://site.ebrary.com.ezproxy2.apus.edu/lib/apus/Doc?id=10064667>

*Sustainable Energy Consumption and Society: Personal, Technological, or Social Change?* David L. Goldblatt; Dordrecht, The Netherlands: Springer, 2005. Available at online: <http://www.netlibrary.com.ezproxy2.apus.edu/urlapi.asp?action=summary&v=1&bookid=145295>

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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](https://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 20% 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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