

### Basic Course Information

Semester:	<b>Fall 2016</b>	Instructor Name:	<b>Dr BALDEV SINGH</b>
Course Title & #:	<b>AG110/ENVS 110</b>	Email:	<b>Baldev.singh@imperial.edu</b>
CRN #:	<b>10001/10002</b>	Webpage (optional):	<b>none</b>
Classroom:	<b>2732</b>	Office #:	<b>N/A</b>
Class Dates:	<b>Aug. 16 through Dec 9</b>	Office Hours:	<b>N/A</b>
Class Days:	<b>Tuesday</b>	Office Phone #:	<b>N/A</b>
Class Times:	6:30-9:40p.m	Emergency Contact:	<b>Silvia Murray /Ofelia Duarte 760-355-6155</b>
Units:	3 units		

### Course Description

This course is designed to provide students with an overview and understanding of the relationships between human populations and the natural environment. The class will focus on basic concepts of science and ecosystem theory, human impacts on the biosphere, air, water, land and environmental problems faced by the Imperial Valley that may have regional and global consequences, and some of the proposed solutions. (CSU, UC)

### Student Learning Outcomes

Upon course completion, with a grade of “C” or better, the successful student will have acquired new skills, knowledge, and/or attitudes as demonstrated by being able to:

1. Identify important issues in environmental science at the local, state, national and international levels, such as; air and water quality, species diversity, soil and land use etc. This will include the various causes, possible long term repercussions and possible solutions. (ILO1, ILO2, ILO3, & ILO4)
2. Identify traditional and alternative energy sources including advantages and disadvantages of each. (ILO2 & ILO4)
3. Discuss the growing human population and the related demand for resources (water, power, soil, hunger, etc.) and the impact that it places on agriculture. (ILO1, ILO2, ILO4, & ILO5)

### Course Objectives

Upon satisfactory completion of the course, students with a grade of “C” or better will be able to:

1. Describe the role of science, the use of the scientific method, the importance of stewardship, and the concept of sustainability in the environmental field. The student will also identify local and global environmental challenges.
2. Recognize and describe the science, structure, function, dynamics, adaptations of and major threats to local and global ecosystems.
3. Describe the environmental impacts of human population growth and material consumption nationally and internationally. The student will also identify some of the solutions that can address the population and consumption challenges.

4. Describe the importance of protecting wildlife and habitats and conserving biodiversity. The student will identify endangered species found at the Salton Sea and local deserts and describe efforts to protect them. The student will also describe the characteristics of distinct local habitats (the Salton Sea, deserts, agriculture) and the efforts of effectively manage and conserve them.
5. Describe the hydrological cycle and identify ways that humans negatively impact it. The student will describe the quality of fresh water globally and identify major sources of water pollution. The student will apply these principles to local bodies of water such as the New, Colorado and Alamo Rivers, and the Salton Sea. The student will also describe the political aspects of water allocations of the Colorado River and its impact on the Imperial Valley.
6. Describe the state and federal laws and regulatory agencies that govern environmental concerns of air, water, land, human health, and chemical hazards. The student will also describe the use of cost-benefit analysis in the development of environmental policies.
7. Identify common human health effects of environmental exposures. The student will recognize the steps involved in risk perception affects individual and group decision making, and strategies for managing risks.
8. Describe agricultural practices in the Imperial Valley with regard to the following concepts: soil characteristics; use of irrigation; the benefits and drawbacks of pest control and fertilizer use; the environmental impacts in air, water and soil and the economic impact regionally and nationally.
9. Identify the major sources of air pollution locally and nationally. The student will recognize the benefits and environmental impacts of fossil fuels and describe alternatives to its use such as the development of solar, wind and geothermal energy and the development of public transportation systems and alternative fuels for vehicles.
10. Describe how materials are managed to minimize or eliminate environmental impacts. The student will identify the federal regulations governing the clean-up and handling of chemical had hazardous materials. The student will also describe the process of managing solid waste from source reduction to recycling.
11. Identify solutions to local and global environmental problems. The student will also describe how politics, citizen involvement, and personal commitment can shape these solutions.

### **Textbooks & Other Resources or Links**

☐ *Environmental Issues & Solutions; A Modular Approach, by Norman Myers – ISBN 978-0-538-73560-5*

### **Course Requirements and Instructional Methods**

☐ A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.

☐ Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.

☒ Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as ‘excused’ absences.

☒ The class period is 3 hours long, please come prepared to remain for the entire 3 hours. Students that repeatedly leave early or repeatedly leave and return during class may be dropped or see their grades impacted, as this behavior is disrespectful and disruptive to the other students and the instructor. ☒ A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student’s status will be the same as that of any other student who desires to add a class. It is the student’s responsibility to drop or officially withdraw from the class. See General Catalog for details.

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### Course Grading Based on Course Objectives

#### Class Requirements

Class grading will be based on points in the following distribution:

**Weekly Quiz** Total: 100 – 150 points

**3 Exams** 150-200 points each

**Weekly Assignments** 150-200 points.

#### Grading

A = 100 – 90%      B = 89 – 80%      C = 79 – 70%

D = 69 – 60%      F = ≤ 59%

Exams may include true/false, short answer, multiple choice, and short essay questions. Exams will be worth 150-200 points each. **NO MAKE-UP EXAMS** without a Valid reason/Emergency situation.

### Attendance

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- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
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### Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.

- **Disruptive Students:** Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the [General Catalog](#).
- **Children in the classroom:** Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

### Online Netiquette

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!)].

### Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- **Plagiarism** is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- **Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question. Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

### Additional Student Services

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- **Blackboard Support Site.** The Blackboard Support Site provides a variety of support channels available to students 24 hours per day. [Library Services](#). There is more to our library than just

books. You have access to tutors in the [Study Skills Center](#), study rooms for small groups, and online access to a wealth of resources.

### Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the [Disabled Student Programs and Services](#) (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

### Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

- [Student Health Center](#). A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6128 in Room 1536 for more information. [Mental Health Counseling Services](#). Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC [Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

### Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog](#).

### Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

### Anticipated Class Schedule/Calendar

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1 Aug-16	chapter 1 Environmental Sci. & Sustainability	Pages 1
Week 2 Aug 23	Chapter 2 Population Growth	Pages 31
Week 3 Aug 30	Chapter-3 urbanization (Classes –One Chapter Every week-Review will follow chapter next week)	Pages 55
Week 4-17	Chapter -4 to15	Pages 84-411
Nov 21 & 26	Thanksgiving break no class	

**\*\*\*Tentative, subject to change without prior notice\*\*\***