

**Environmental Science 110/Agricultural Sciences 110
Spring 2013**

**Instructor
Contact Information**

Dr. Baldev Singh
Email: baldev.singh@imperial.edu
Office Hours: None

**Lecture Hours: 3
Days & times
CRN**

Credits: 3
Monday and Wednesday: 6:30-7:55 pm
20836/ 20838

Required Text

Environmental Science – Custom Edition for Imperial Valley College.

Course Description

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

Course Objectives

Student will learn:

- The concept of sustainability in environmental field;
- Interactions between human populations and environment;
- The basic concepts of science and ecosystem;
- To identify local and global environmental challenges;
- The environmental impacts of human population growth and material consumption nationally and internationally;
- The importance of protecting wildlife and habitats and conserving biodiversity;
- The hydrological cycle and identify ways that humans negatively impact the cycle;
- The quality of fresh water globally and identify major sources of water pollution;
- The state and federal laws and regulatory agencies that govern environmental concerns of air, water, land, human health, and chemical hazards;
- To identify common human health effects of environmental exposures;
- Agricultural practices in the Imperial Valley with regard to the following concepts: soil characteristics, use of irrigation, the benefits and drawbacks of fertilizer use and pest control, the environmental impacts in air, soil, and water, and the economic impact regionally and nationally;
- To identify the major sources of air pollution locally and nationally;
- To recognize the benefits and environmental impacts of fossil fuels and describe alternatives to its use;
- To recycle materials to eliminate environment pollutions/impacts;
- To manage solid waste by source reduction to recycling;
- To identify solutions to local and global environmental problems;

General Expectations

Students must comply with all rules and regulations of Standards of Student Conduct outlined in the Imperial Valley College General Catalog. No food or drinks are allowed in classroom.

Cell Phones and Pagers	All cell phones, pagers and other noise making devices be turned off or to vibrate during class. If you must use these devices during class, I ask that you quietly and discretely leave the room.
Talking in Class	Students talking in class while the instructor or a guest is lecturing will be asked to leave. If inappropriate talking continues points may be deducted from your total score.
Disability Information	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. DSP&S Room 2117, Health Sciences Building, (760) 355-6312
Late & Absent Policy	If you find that you need to excuse yourself early on rare occasion you should make every effort to get to class early so that you can sit close to the door. This will allow you to leave the room without disrupting the learning environment for your fellow students. Similarly, if you should not be able to avoid being late, it is your responsibility to come in and sit down in a manner that will not be disruptive. Either of these events are NOT to be regular occurrences for any given student. Additionally, it will be the student’s responsibility to obtain notes for any missed class.
Class Drop Policy	It is the responsibility of student to submit dropping forms to the office.
Class Requirements	Class grading will be based on points in the following distribution: Weekly Quiz Total: 100 – 150 points 2 Exams 150-200 points each Weekly Articles 5 Points for the 2 articles, 5 Points for the write-up and 5 points for your opinions. Points will be deducted if; the articles are late, if the articles are too short, if you have only one article, if the discussion is poor or too brief.
Grading	A = 100 – 90% B = 89 – 80% C = 79 – 70% D = 69 – 60% F = ≤ 59%
Class Participation	Each student is expected to read the assigned material before coming to class. This will enable you to participate in the class discussions. Being able to interact in this manner will have positive effects on your quiz and exam performance. Assignments: Choose two articles on the same subject that deal with human impact on the environment (from internet or magazines).
SLO’s	Students will learn about sustainability of Environment, Natural Resources, Energy, Pollution & Soil Conservation for feeding future world populations.
Exams	Exams may include true/false, short answer, multiple choice, and short essay questions. Exams will be worth 150-200 points each. MAKE-UP EXAMS with permission must be taken at the next class meeting unless otherwise discussed.