This syllabus is divided into two sections. Section 1 covers general Pima College information and section 2 covers more specific information about the bio 105 class.

Section 1

Map of East Campus

http://www.pima.edu/maps/index.shtml?map=3

Important Information
Student behavior in the classroom which interferes with the teaching and learning environment or in the testing center

All students in the classroom have a right to learn and as an instructor I have the right to teach. If a student’s behavior interferes with these rights than the instructor will take the appropriate action. Student behavior that interferes with the ability of other students to learn and my ability to teach can include, but is not limited to the following: excessive talking; not allowing other students to ask questions, the use of electronic equipment; and coming in late.

I expect laptops to be put away and other electronic equipment to be turned off and put away unless you are using them for a class assignment. If you need to make a phone call - leave the room. If this becomes a disturbance to the leaning climate, you may be asked to leave for the day.

If a student is interfering with the teaching or learning process, I will ask them to leave the class for the day and if there are points for the day or an exam, the student will receive a zero. If I have to ask a student to leave on a second day, a meeting between me, the student, and the head of the science department will take place about this behavior.


Description of Course

Fundamentals of ecology and their relevance to human impact on natural ecosystems. Includes ecosystem structure and function, population dynamics, and human impacts on air, water, land, and biodiversity.
Prerequisite(s): none

**Performance Objectives:**
Upon successful completion of this course, the student will be able to:
1. Describe ecological principles of how the Earth functions.
2. Apply ecological principles and the human impact on the environment.
3. Evaluate scientific basis of environmental issues.
4. Describe possible causes and analyze potential solutions to current environmental issues.
5. Demonstrate skills necessary for life-long learning, critical examination, and personal decisions relative to environmental biology.
6. Perform activities to demonstrate improvement in the general education goals of oral communication, written communication, and critical thinking.

Important dates
Jan. 19th Classes begin
Jan. 25th end of add period
Feb. 1st Drop/Refund/Audit deadline
Feb. 24th Graduation application for fall semester
Nov. 9th spring registration for ongoing students begins online
Feb. 25th & 26th Rodeo Holiday
Mar. 15th summer registration begins
Mar. 15th– 21st Spring Break Holiday
Apr. 5th fall registration Begins
Apr. 8th Student withdrawal deadline
May 12th final exam week begins
May 18th Last day of semester

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**Section 2**

Instructor: Deborah Bird

Mailing Address: Deborah Bird/Adjunct Faculty Office
Pima Community College
East Campus
8181 E. Irvington Rd. 85709-4000

If you mail an assignment the date of the postmark will be considered the day the assignment was turned in.

Turning in Assignments: Papers and assignments should be turned in during classroom time on the date the assignment is due. The Adjunct Faculty Office on East Campus can also be used to turn in papers. Have the staff **stamp your papers** with the date to insure meeting deadlines. If your paper is not stamped than the date I pick it up from my mailbox will be considered the day turned in. You will not lose points if assignments are handed in on the day due, but you will lose 5% of total points for every day the assignment is late. You may only turn assignments in late until the day I hand back the exam and your other papers. This is usually about one week after the deadline for the exam. The Adjunct Faculty office is in building E5. (See map on last page or go to [http://www.pima.edu/maps/index.shtml?map=3](http://www.pima.edu/maps/index.shtml?map=3))
If the Adjunct faculty Office is closed there is a slot in which you can leave papers. Make sure you have my name and your name on the paper. If you use the slot the staff will mark it as the next day as being received.

**Phone:** I am setting up a Pima message number. I will give it to you as soon as its operating.

**E-Mail:** dbird@pima.edu

**Pima Web Site:** [http://ecc.pima.edu/~dbird](http://ecc.pima.edu/~dbird)  There is not anything on the web site for this course.

**Attendance:** I do not take attendance and there are no points given for attendance. It is to your advantage to attend class because **there will be lab exercises during class for points that you cannot makeup.** This includes formal labs, readings, and assignments done during the class period. Missing too many classes can begin to affect your lab grade.

**Prerequisites:** None. Each of you needs to examine your work and family responsibilities to determine whether you are prepared to undertake the time commitments for this course.

**Ethics:** You are expected to do your own work for the lab points. There are many assignments and exercises that are collaborative, but **each person will be handing in their own paper.** It’s certainly o.k. to ask me or your neighbor a question, but **you are not allowed to just copy answers.** For testing in the testing center see the rules at the end of the syllabus. See the Student Handbook for more details concerning ethical questions. [http://www.pima.edu/studentserv/studentrights/code/index.shtml](http://www.pima.edu/studentserv/studentrights/code/index.shtml)

**The Grade of Incomplete (I) Official Withdraw (W):** I only give the grade of incomplete if 80% of the lab work has been completed and 80% of the testing material has been completed and you are passing both the lab section and the test sections with a grade of C or better.. Students may request an Official Withdraw (W) by the given date listed under important dates on the first page of this syllabus. After the above date a W is left to the discretion of the instructor. I require all requests be in writing.

**Disability:** If you have a disability that requires special accommodations, you are strongly urged to notify me at the beginning of the semester so that reasonable accommodations can be made in a timely manner. Disabled student resources phone number is 206-5030

**Integrated Lecture and Lab:** This course is an integrated lecture and lab combination worth 4 units. **One-half of your grade is from the lecture section and one-half is from the lab section.** Lecture scores are from exams. Everything else is considered lab. **You will receive a test summary cover sheet that lists all assignments and points for that particular section.**
**Textbook:** The text is available in the PCC East Campus bookstore. Make sure you are in the Bio 105 section. The text book is *Environmental Science* 11th edition by Enger and Smith. This is the only book required for this course.

**Grade Criteria**
Final grades are determined using the following criteria.
A – 90.0 to 100% ; B – 80.0 or higher but less than 90 % ; C – 70.0 or higher but less than 80 % ; D – 60.0 or higher but less than 70 % ; F – less than 60.0%

**Lecture**
**Points will be gained on the lecture portion only through the exams.** Each test is worth 100 points. A test will be placed in the testing center after we complete each unit. You will have one week to take the exam in the testing center. The last exam will be given in class at the end of the semester.

**Lab**
You will have various lab assignments over the semester. All work that is not an exam counts toward your lab points. The lab section accounts for the other one-half of the final grade. Many of the lab assignments are done with video in the class. I go through the video with you. These assignments also cannot be made up. If you miss, you have missed the points.

**Readings and Assignments**
Look on the first page of each unit for readings and assignments.

**Due Dates**
Due dates will be assigned when the assignment is given. Check each assignment for the due date. Some things will be due the day that day in class, others on another date. Many of the assignments are due in class the same day. See more information under section 1 *Turning in Assignments*.

**Outline of the course and readings for the class from the textbook**
I. **Test One** - Environmental Biology
   A. Science - Chapter 4 pp. 61-67
   B. Scientific method – statistics handout
II. **Test Two** - How the Earth Works
   A. Plate tectonics and soil formation Chapter 13 pp. 289-299
   B. Climate and biomes Chapter 6
   C. **Test Three** - Ecology
      1. Ecosystem components Chapter 5 pp. 79 - 82
      2. Energy flow and biogeochemical cycling Chapter 4 pp. 66-77, Chapter 5 pp. 95-105
      4. Population and community ecology Chapter 5 pp. 88 - 95
III. **Test Four** - Humans on Earth
   A. History of Humans attitudes and beliefs concerning the environment Chapter 2 pp. 15-
B. Population Chapter 7  
C. Economics and politics Chapter 2 pp. 23 - 35  

IV. Test Five - Human Impacts  
A. Biodiversity - Chapter 11  
   1. Description and importance  
   2. Impacts upon and management  
B. Water - Chapter 15  
   1. Resources  
   2. Uses and management  
C. Land Chapter 12 and Chapter 13 pp. 299 – 307  

What are the big questions we need to ask to solve these problems?  

How do various belief systems and attitudes affect our relationship with nature? In other words – what beliefs and attitudes got us into this mess? What is an environmental ethic? What genetic traits may be holding us back?  
What are the most influential forces putting pressure on natural systems? What is the state of the planet and how do natural systems function?  
What are the various factors putting us into a 6th extinction event?  
What are carbon markets and is there any evidence they actually work?  

STUDENT TESTING PROCEDURES  

Welcome to the Instructional Testing Center! It is hoped that all students find this unique testing service to be convenient and user-friendly. The following Testing Procedures have been approved by the East Campus Administration of Pima Community College and must be followed in order to take exams in the Center. The course instructor utilizing the Center or the Testing Center staff can provide copies of the Testing Procedures. These procedures are necessary to provide an effective and secure walk-in testing service that meets the needs of the diverse East Campus Community. ALL STUDENTS USING THE TESTING CENTER ARE REQUIRED TO READ AND UNDERSTAND THESE TESTING PROCEDURES PRIOR TO REQUESTING EXAMS. All questions will be answered in detail by the staff. The Instructional Testing Center staff reserves the right to amend this document.  

- PHOTO IDENTIFICATION IS REQUIRED: A PCC student ID card is preferred but not required. The Testing Center staff shall retain sole discretion as to whether or not identification presented is acceptable. Notes from instructors or staff are NOT acceptable.  
- STUDENTS WHO NEED SPECIAL TESTING ACCOMMODATIONS: Students who need special accommodations such as extended test time, assistance of reader/writer or materials in an alternative format, must set up a file in the Disabled Student Resources Office (L-231, phone 206-7699).  
- REQUESTING EXAMS: Students will be admitted for testing with only one exam at a time although they may test throughout the day. In order to obtain an exam, students are required to know the following:  
  - Their PCC Student Number  
  - The name of their course instructor  
  - The course in which they are enrolled  
  - The exam number they require  
  - Students are to provide pens, pencils, and/or erasers  
- CELL PHONES ARE NOT ALLOWED: If a cell phone, pager or any unapproved electronic device rings or is used for any reason during the testing process, the exam will be terminated.
Syllabus for Bio 105 Fall 2010  CRN 21187  Instructor Deborah Bird

Students request an exam, present identification, sign in, and then obtain a locker key to secure personal belongings. To check out a locker, students are to leave his/her picture I.D. with the testing staff. Students may place items too large for a locker on the shelf prior to entering the testing room. Students not wishing to use the shelves or the lockers may not leave their belongings in the testing room or office. Pima Community College is not responsible for lost, stolen, or abandoned items.

Students may also bring into the testing room and use only materials specifically authorized in writing on the exam by the course instructor. This may include items such as calculators, textbooks, notebooks, books, notes, note cards, crib sheets, scratch paper, dictionaries, etc. Test-takers may use only the scratch/graph/other paper provided in the testing room or with their exam and may not, under any circumstance, use their own material unless it has been authorized by the course instructor and inspected by the testing center staff. Test-takers may not share materials during exams. PLEASE NOTE: Use of the Testing Center constitutes the test-taker's implied consent to the staff's inspection of any item(s) taken into and/or out of the testing room. Personal items such as a caps, sweaters, coats, etc. taken into the testing room must remain off the desktop at all times. Earplugs are recommended for students sensitive to noise. No other items are allowed in the testing room.

At the completion of the exam, students are to discard or attach all scratch paper(s) to the exam. Materials such as note cards and or/crib sheets used during the exam must be stabled and turned in. The staff is not responsible for stapling students' work to exams. Students may not remove paper(s) of any kind from the Testing Center.

**GENERAL INFORMATION:**

- While the Testing Center staff makes every effort to ensure that students are issued correct exams, errors sometimes occur. Students must make sure that they have received the correct exam and bring any errors to the immediate attention of the staff.
- Test-takers may see the staff if there is a question about the exam. Test-takers may not ask a classmate.
- Once an exam has been issued, students are not to remain in the office for any reason but must proceed immediately into the testing room and begin. Students in possession of an exam may not talk to anyone except the staff, regardless of whether they are in the testing room or office area.
- Students are responsible for observing all time limits indicated in writing on the exam. The Testing Center staff will indicate the start date and time and the end date and time on all exams but will not be responsible for ensuring that students observe time limits imposed by the instructor.
- Students should not leave their seats until they have checked their work and are ready to turn in their test. Once a student has exited the testing room, the test must be turned in immediately. Students may not leave the area until the staff collects their exam.
- Breaks during exams are not allowed. IF A TEST-TAKER MUST LEAVE THE TESTING ROOM, THE EXAM MUST BE SURRENDERED AND WILL NOT BE REISSUED WITHOUT INSTRUCTOR APPROVAL.
- Test-takers should not sit near classmates taking the same exam unless there are no other seats available because the staff may relocate the students.
- Test-takers should keep work confined to one desk only. Furniture should not be moved for any reason. Aisles must remain free of clutter at all times.
- When finished, test-takers are not to discuss the exam with or within earshot of anyone who has not tested yet. Test-takers should not permit anyone to discuss the exam with them.
- In the event that all seats in the testing room are occupied, students will be given numbers and seated in the order in which they came to the Center. Students who do not immediately respond when their number is called will be bypassed and required to take a new number.
- Students not admitted for testing for any reason will be given a written "Gold Slip" to give to their instructor explaining why they were not admitted. Children are not allowed in the testing room nor are they permitted to remain unattended in the office. Please make baby-sitting arrangements prior to coming in for an exam.
- All tests must be turned in at closing time -- completed or not.
- Food, water bottles, beverages, tobacco, candy, personal stereo, walkie-talkies, pets/animals (except assistance animals), etc are not permitted in the testing room.

**EXAMS REQUESTED LAST HOUR OF TESTING:** Tests will not issued during the last hour before closing. Exams issued after an instructor's deadline has passed will be marked as such and may or may not be accepted by the instructor. Any exam deadline information recorded on the Testing Center deadline calendar is unofficial and subject to change without notice. Official exam deadline information must be obtained from the course instructor. Students are encouraged to not wait until the last minute before their deadline or last test times because they may not get in for or have time to complete their exam. Students still waiting after the last hour of testing cannot be seated even if they are still holding a number.

All students are expected to know and comply at all times with the College Student Code of Conduct and Code of Academic Ethics. Copies of these documents may be obtained from the Office of the Dean of Student Development. All students are; in addition, required to conduct themselves in a quiet, orderly fashion and cooperate with the Testing Center staff at all times. Violation(s) of the College Student Code of Conduct, the Code of Academic Ethics, and/or the Testing Center Student Testing Procedures will not be tolerated and will be reported in writing to the course instructor and the Division Dean. The course instructor will determine the course of action to be taken. Testing privileges may be suspended for cause. Incidents of a serious and/or disruptive nature may also be reported to the P.C.C. Department of Public Safety (Campus Police).