Environmental Science
ECOL 1305 43360
Bishop Lynch HS  Spring 2015

Instructor:  L. Bradshaw, M.S.
Location:  Science room 107
Time:  4th Period - 2:06-3:36
Email:  Lanna.Bradshaw@bishoplynch.org  (This is the best way to contact me).
School Phone: 214/324-3607, ext 313
Lab Manual:  All labs will be given to you either in class or on blackboard.
Supplies:  Spiral (for lecture notes)
Black or blue pen, anything you turn in to me should be these colors only or there will be a 2 pt. deduction.
#2 Pencil
Large Eraser
Three Ring Binder (For Lab Work)
1 Box of gloves in your size
Paper Towels (at least 1 roll)
Other supplies may be necessary later

ECOL 1305 (3 Credit Hours)

People and Their Environment
Course Description:  Environmental awareness and knowledge are emphasized. Topics include pollution, erosion, land use, energy resource depletion, overpopulation, and the effects of unguided technological development. Proper planning of societal and individual action in order to protect the natural environment is stressed. (3 Lec.)
Coordinating Board Academic Approval Number 0301035301
DROP POLICY AND DATE:

If you are unable to complete this course, you must withdraw from the course by April 16, 2015. Withdrawing from the course is a formal procedure that YOU must initiate; I cannot do it for you. You may do this in the Admissions office or Counseling office. If you stop attending and do not withdraw you will receive a performance grade, most likely an "F". For students who enrolled in college level courses for the first time in 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas Public Institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/coursedrops.

Grading:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
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<tbody>
<tr>
<td>Quizzes</td>
<td>20%</td>
</tr>
<tr>
<td>Tests</td>
<td>30%</td>
</tr>
<tr>
<td>Homework, in class, participation</td>
<td>20%</td>
</tr>
<tr>
<td>Lab</td>
<td>30%</td>
</tr>
</tbody>
</table>

100% = 100 – 90 = A
89 – 80 = B
79 – 70 = C
69 – 60 = D
<60 = F

Semester grade is an average of the quarter 1 and quarter 2 grades.

Participation: participation is expected and required. Participation includes answering questions proposed by the teacher, thoughtful questions asked by you, preparation for the class by reading, and by taking an active role in labs and other activities. If you choose not to participate, points will be deducted from the activity (such as a lab) or if you clearly do not prep for class or are not paying attention in class, points will be taken from your overall grade.
**Tests:** will be a combination of multiple-choice, short-answer, fill in the blank, etc. You have to know the material to do well on tests. If you are the type to wait until the night before a test to study, you will probably not do well in this class. I encourage you to start studying from day one. You don’t have to study for hours a night, just pick up your notes and go over them nightly to keep the material fresh.

**Homework:** Consider reading the chapters as your homework for every class. You will have other assignments but you are expected to read. Homework is due the next class period after it was assigned unless otherwise stated.

**Missed Exams and Homework:** Bishop Lynch Science Department’s Make-up Policy Concerning Student Absences will be an addendum to this syllabus and will be strictly adhered to. It is your responsibility to see me for missed work on the first day upon returning to school. 5 points will be deducted for everyday your assignment is late. Work for a school function should be completed before the absence.

**Class Rules:**

1. All rules in the student handbook will be enforced.
2. Cheating in any manner will not be tolerated. DON’T!!!
3. Participation is required.
4. Late work without an excused absence will not be accepted.
5. Be in your seat when the bell rings.
6. This is a lab, no food or gum is allowed. Drinks (water) must stay in front of the room, they are never to be taken back to the lab tables.
7. No one will leave the room without my permission. Make sure you do what you need to do during passing period.
8. I will be paying attention when you talk to me. I expect the same respect from you.
9. Any violation of lab safety will result in you having to sit out while the rest of the class does labs and activities. Some labs can be dangerous if care is not taken. If I have to ask you to sit out, you will be given a zero for that activity.
10. You must communicate with your lab group only. If you talk to other
groups I will consider it an interruption and deduct 10pt from your lab grade each time you do it.

11. When you have questions during lab, discuss it among your group, at this stage coming to the teacher should be a last resort.

10. Whining and complaining are not acceptable during class. Others are making the best of a class they may find difficult. Listening to you complain does not help. Keep it to yourself until you are out of class and can find someone who wants to listen.

11. Phones may be used only with the permission of the instructor!

12. A full heading must be on all work turned in.
   A full heading consists of:
   
   Name
   Date
   Section
   Title (if necessary)

ADA SERVICES:

If you are a student with a disability and/or special needs who requires ADA accommodations, please contact Eastfield College Disability Office at 972-860-8348. For any testing accommodations, you must go through the EFC Disability Services Office.

RELIGIOUS HOLIDAY/OBSERVANCE:

Absences for observance of a religious holy day are excused. Notification of the absence must be given to the instructor in writing at least two weeks prior to the date of the holy day. A student whose absence is excused to observe a religious holy day is allowed to contract with the instructor to take a make-up examination or complete an assignment within at a mutually agreed upon time after the absence.

Academic Honesty Statement:

Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog at http://www1.dcccd.edu/cat0506/ss/code.cfm.
Academic dishonesty includes, but is not limited to, cheating on tests, plagiarism and collusion. Cheating includes copying from another student’s test or homework paper, using materials not authorized, collaborating with or seeking aid from another student during a test, knowingly using, buying, selling, stealing, or soliciting the contents of an unadministered test, and substituting for another person to take a test. Plagiarism is the appropriating, buying, receiving as a gift, or obtaining by any means another’s work and the unacknowledged submission or incorporation of it in one’s own written work. Collusion is the unauthorized collaboration with another person in preparing written work for fulfillment of course requirements. Academic dishonesty is a serious offense in college. You can be given a failing grade on an assignment or test, can be failed for the class, or you can even be suspended from college.

FAMILY EDUCATIONAL RIGHTS and PRIVACY ACT of 1974 (FERPA)

In compliance with the Family Educational Rights and Privacy Act of 1974 (FERPA), the College may release information classified as “directory information” to the general public without the written consent of the student. Directory information includes: (1) student name, (2) student address, (3) telephone numbers, (4) date and place of birth, (5) weight and height of members of athletic teams, (6) participation in officially recognized activities and sports, (7) dates of attendance, (8) educational institution most recently attended, and (9) other similar information, including major field of study and degrees and awards received. Students may protect their directory information at any time during the academic year. If no request is filed, directory information is released upon written inquiry. No telephone inquiries are acknowledged. No transcript or academic record is released without written consent from the student, except as specified by law.

REPEATABILITY ISSUE:

Pending legislative action and DCCCD Board approval, effective for Fall Semester 2005, the Dallas County Community Colleges will charge a higher tuition rate to students registering the third or subsequent time for a course. All third and subsequent attempts of the majority of credit and Continuing Education/Workforce Training courses will result in a higher tuition to be charged. Developmental Studies and some other classes taken at any of the Dallas County Community Colleges since the Fall of 2002 semester. For complete information and updates, go to http://www.dcccd.edu/ThirdCourseAttempt/.

FINANCIAL AID STUDENTS:

If you are receiving Financial Aid grants or loans, you must begin attendance in all classes. Do not drop or stop attending any class without consulting the Financial Aid. Changes in your enrollment level and failing grades may require that you repay financial aid funds. Failure to contact the instructor will result in your name being submitted to the Financial Aid Office as a “non-attendee”. All students receiving financial aid should open an E-mail account through NetMail. See directions in this syllabus for opening an E-mail account.

OBTAINING YOUR GRADES AT THE END OF THE SEMESTER:

Grade reports are no longer mailed. Convenient access is available online or by telephone. Use your identification number when you log in to e-Connect or call DCCCD Touch Tone Services. Web site address: http://econnect.dcccd.edu/. Telephone number: 972-860-1818.
Obtaining Final Course Grades Using eConnect:

Final Grade Reports are no longer mailed. Convenient access is available online at www.econnect.dcccd.edu. Use your identification number when you log onto eConnect, an online system developed by the DCCCD to provide you with timely information regarding your college record. Your grades will also be printed on your Student Advising Report, which is available in the Admissions Office.

ENVR 1301 Environmental Science I (lecture)
A survey of the forces, including humans, that shape our physical and biologic environment, and how they affect life on Earth. Introduction to the science and policy of global and regional environmental issues, including pollution, climate change, and sustainability of land, water, and energy resources. (Cross-listed as GEOL 1305 Environmental Science) Recommended Co-requisite: ENVR 1101 Environmental Science (lab) Approval Number: 03.0103.52 01
maximum SCH per student 3
maximum SCH per course 3
maximum contact hours per Course 48

Learning Outcomes
Upon successful completion of this course, students will:
Recognize, describe, and quantitatively evaluate earth systems, including the land, water, sea, and atmosphere, and how these function as interconnected ecological systems.
Assess environmental challenges facing humans caused by their interaction with the physical and biological environment (e.g., population growth, energy resources, food production, pollution, water and resource use).
Acquire a scientific vocabulary and critical thinking skills related to environmental science.
Assess the effectiveness and feasibility of environmental policy and its impact.

Core Curriculum Competencies

Biology 2406, satisfies the following Core Curriculum Competencies set forth by the Texas Higher Education Coordinating Board.

1. Reading: the ability to analyze and interpret a variety of printed materials – books, documents, charts, and articles – above the 12th grade level
2. Writing: the ability to produce clear, correct, and coherent prose/scientific papers – above the 12th grade level.
3. Speaking: the ability to communicate orally in clear, coherent, and persuasive language appropriate to purpose, occasion, and audience – above the 12th grade level.
4. Listening: analyze and interpret various forms of spoken language – above the 12th grade level.
5. Critical thinking: think and analyze at a critical level.
6. Computer literacy: understand our technological society, use computer technology in communication, solving problems, and acquiring information.
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<tr>
<th>Week</th>
<th>Class Lesson</th>
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<tbody>
<tr>
<td>February 2-8</td>
<td>Chapter 1: Understanding Our Environment</td>
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<td>February 9 -15</td>
<td>Chapter 2: Environmental Systems</td>
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<td>Lab 1: Scientific Method</td>
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<td>February 16 – 22</td>
<td>Ch.3 Evolution, Species Interactions, and Biological Communities</td>
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<td>Exam 1: Chapters 1, 2 and 3</td>
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<td>February 23 –March 1</td>
<td>Chapter 4: Human Populations</td>
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<td>Lab 2: Human Populations</td>
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<td>March 2 – 8</td>
<td>Chapter 5: Biomes and Biodiversity</td>
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<td>March 9 –15</td>
<td>Chapter 6: Environmental Conservation</td>
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<td>Lab 3: Natural Area Visit</td>
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<td>March 16 – 22</td>
<td>SPRING BREAK – NO CLASSES!</td>
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<tr>
<td>March 23 – 29</td>
<td>Chapter 7: Food and Agriculture</td>
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<td>Exam 2: Chapters 4, 5 and 6</td>
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<td>March 30 – April 5</td>
<td>Chapter 8: Environmental Health</td>
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<td>Lab 4: Properties of Soils</td>
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<td>April 6 -12</td>
<td>Chapter 9 and 10: Air: Climate and Pollution</td>
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<td>Lab 5: Air Quality and Pollution</td>
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<td>April 13 -19</td>
<td>Chapter 11: Water: Resources and Pollution</td>
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<td>Exam 3: Chapters 7, 8, 9 and 10</td>
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<td>April 20 – 26</td>
<td>Chapter 13: Energy</td>
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<td>Lab 6: Water Quality</td>
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<td>April 27–May 3</td>
<td>Chapter 14: Solid and Hazardous Waste</td>
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<td>Lab Exam</td>
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<td>Date</td>
<td>Event</td>
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<tr>
<td>May 4 – 10</td>
<td>Exam – Chapters 11, 13 and 14</td>
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<td>May 11 – 15</td>
<td>Final Exams</td>
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