

Attend class Do the reading & view videos Answer study questions Take the Pre-Quiz Make an exam note card

INTRODUCTION: "Environmental Biology" is a college-level, introductory biology course for students who are not majoring in the sciences. The course focuses on the interactions between living things and their natural surroundings. The course encapsulates the totality of life on Earth into five basic contexts: 1) science; 2) Food; 3) Air, Land, Water, Ice; 4) natural change; and 5) human-caused change.

I encourage students to consider college as an opportunity to acquire "skills" instead of just getting grades. This course offers you much useful information – mostly in terms of context. "How does this particular operation relate to this other operation, and what does it mean in terms of the overall outcome?" Pools of information in isolation are uninteresting and often useless. This course explores the inter-connectedness of life on Earth as a useful model to help inform the decisions and dynamics of your own life as it unfolds before you. "What is the nature of this diverse economy, and what is the best way for me to participate in it?" If you pay attention and deliberate over the concepts in this course, the value of your acquired skills will exceed that of your grade. This course offers you the opportunity to develop interpretive skills that will help you fully comprehend complex systems, by characterizing their components, assessing individual demands and dynamics, visualizing the network of interactions, and grasping the basis of impacts from perturbations.

INTENDED STUDENT LEARNING OUTCOMES

1. Upon successful completion of ENVS 105 F Environmental Biology, the student will be able to judge claims by using the language, practice and philosophy of science.
2. Upon successful completion of ENVS 105 F Environmental Biology, the student will be able to identify and explain complex biological system dynamics, on multiple scales, based on resource flow modeling.
3. Upon successful completion of ENVS 105 F Environmental Biology, the student will be able to identify and explain the consequences, on multiple scales, of human-caused disruptions of natural biological and environmental systems.

"PROPOSED" CREDIT SCHEDULE: I propose the following credit schedule:

Five (5) exams (39 points each – all exams count)	195 points
Five (5) pre-quizzes (5 points each – lowest score dropped)	20
Five (5) note cards (1 point each)	5
<hr/> Total	<hr/> 220

GRADING: Course grades will be assigned according to the following grading schedule:

Percent of total	Grade
90 – 100%	A
80 – 89%	B
65 – 79%	C
55 – 64%	D
< 55%	F

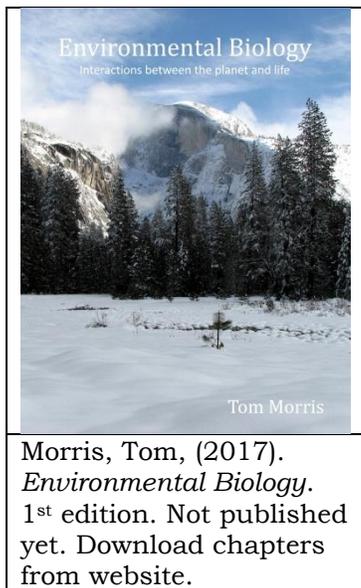
NOTE: VARIATIONS MAY OCCUR

- I reserve the right to make reasonable and fair adjustments to the above credit schedule. Such adjustments will be made out of necessity because of lack of time, or because of other unforeseen reasons. Still, I will make all reasonable efforts to maintain the general distribution of credit among the above categories. I will try to keep the process of change as fair as possible.
- Therefore, you are officially notified that actual credit schedule, and available points may vary slightly, depending upon circumstances.
- The likelihood of such variations is extremely low.

Proposed Lecture Sequence, Reading and Video Assignments (Please consult class website for details)

Chapter	Topics
1	<p>Science Philosophy and Practice</p> <p><i>Science</i></p> <p>Video assignment. Consult website for details. 3 x 5 note card assignment (1 point). Pre-quiz (5 pts.) EXAM (39 pts.)</p>
2	<p>Food: its diverse production, consumption and basis for ecological complexity</p> <p><i>Food</i></p> <p>Video assignment. Consult website for details. 3 x 5 note card assignment (1 point). Pre-quiz (5 pts.) EXAM (39 pts.)</p>
3	<p>The diverse physical environment and its exploitation by life</p> <p><i>Air, Land, Water, Ice</i></p> <p>Video assignment. Consult website for details. 3 x 5 note card assignment (1 point). Pre-quiz (5 pts.) EXAM (39 pts.)</p>
4	<p>Forms of natural change in the environment and how living things deal with it</p> <p><i>Natural Change</i></p> <p>Video assignment. Consult website for details. 3 x 5 note card assignment (1 point). Pre-quiz (5 pts.) EXAM (39 pts.)</p>
5	<p>How humans change the environment and the implications of that</p> <p><i>Human-Caused Change</i></p> <p>Video assignment. Consult website for details. 3 x 5 note card assignment (1 point). Pre-quiz (5 pts.) EXAM (39 pts.)</p>

REQUIRED TEXT:



NOTES ON CLASS POLICY

EXTRA CREDIT - No, O-nay, X-nay, Non, Nein, Nicht, Nyet

ATTENDANCE - Your attendance is important for the following reasons.

1. **Regular attendance is expected.**
2. I can legally drop you without warning or explanation if you miss more than three hours of meetings.
3. Attending will help you better focus your reading.
4. You will be better prepared for exams.
5. You will have opportunities to ask questions and receive real answers in return from a live expert - something your text can't do. Don't believe me? Go ahead, ask your book a question sometime.
6. You will receive important handouts.
7. You will receive many, many helpful hints on what to expect on the upcoming exams.
8. You will have more fun with the course (in spite of your worst fears).
9. You will learn more.

SUFFICIENT EXAM COMPLETION – Students who fail to take two exams as arranged will be dropped. This policy applies regardless of the make up policy. Students who miss the second exam after the drop date, will be assigned a course grade of 'F'.

POLICIES FOR EXAM-TAKING

1. You will need to supply your own **Scantron 882-E** for each exam.
2. All examination forms are my property. All examination forms are to be returned to me immediately when you are finished.
3. All scantron forms submitted at the time of the exam become my property and will not be returned.
4. If exams are handed out in personalized exam packets or other form of sealed package:
 - Do not open the exam packet until instructed to do so by the instructor. Students caught opening exam packets beforehand will forfeit their exam.
 - Write your legal signature on the coversheet. Scores for unsigned exam forms will not be recorded.
 - When finished, return the exam packet to the instructor.
5. All cell phones away and out-of-sight during the exam.
6. No talking during the examination, and while anyone is taking the examination.
7. Do your own work. Keep your eyes only on your own papers.
8. I reserve the right to adjust seating arrangements as I see fit during the exam.
9. Secure your scantron and other answer sheets from prying eyes while you are taking the exam.
10. **NO RESTROOM VISITS OR ANY OTHER EXCUSES FOR LEAVING THE CLASSROOM WILL BE GRANTED** while the exam is being taken. If you must leave the class during the exam, your exam is officially over. I will ask you to submit your exam before leaving the classroom. So, be prepared. Visit the restroom before the exam. Bring Kleenex with you if you have a runny nose.
11. If you arrive after the exam is in progress, and you do not have a scantron form or pencil, then you may not interrupt other students to request them.
12. I allow each student to bring in one (only one) 3-inch by 5-inch note card for your private use during the exam. Before the exam, write your study notes all over this card, then bring it with you to consult during the exam. You may write notes as small as you like and use both sides of the card.
13. Write your name and the number of the test form onto your scantron sheet. Scantrons without test form numbers or student names will have points deducted as a "convenience fee."
14. When requesting assistance during exam, please remain in your seat. Raise your hand. I will come to you.
15. Return ALL test materials, including multiple choice test form, short answer test form - even if you did not respond to any of the questions, scantron, and scratch paper (if any).

EXAMS – ONE MAKE UP; ALL COUNT

1. **Make up exams.** Each student is allowed to make up **one** missed exam. ONE. I will give all make up exams during the last week of class.
2. All exam scores will apply toward your grade.
3. Exams will mostly consist of multiple choice questions, and may include a small number of short answer questions. Exam format will be announced in class no later than one week prior to the exam.
4. Exam questions will be based on:
 - Almost entirely topics addressed in the Study Questions from reading and video assignments.
 - Rarely, significant, related topics covered during lecture, but which may not be directly addressed in the reading or Study Questions.

PRE-QUIZZES – NO MAKE UPS; LOWEST DROPPED

1. Pre-quizzes are short quizzes consisting of five multiple choice questions. You will take them in class. One pre-quiz per topic. They are intended to give you a sense of your state of preparedness for the upcoming exam on the topic. You will need to supply your own **Scantron 815-E** quiz strip for each quiz.
2. The lowest one of the five pre-quiz scores will be dropped. Only the top four scores will apply toward your course grade.
3. **YOU CANNOT MAKE UP MISSED PRE-QUIZZES.** In order to benefit from these quizzes, you must be in class when they are given. If you are unable to take a pre-quiz, that missed pre-quiz becomes your lowest score, and will be dropped. I will announce the quiz dates in class. Please plan accordingly.

REVIEWING EXAMS

You may review your past exams at my office. When reviewing past exams, the following policies apply:

1. I will provide your scantron form and the appropriate "key".
2. You are to review the exam only at the location that I indicate. You are not to move the exam to an alternate location without my permission.
3. Once in possession of the key, the key is to remain in your possession until you return it to me. You are not authorized to transfer the exam to another person.
4. Once you are finished, you are to immediately return the exam key and your scantron to me.
5. You are allowed to review up to two exams per day (as time allows).
6. The maximum number of exams out of my office for review at any given time is two (2). If there are more than two students requesting exams, then students are obliged to queue up and wait their turn.
7. You may write notes onto your scantron form.
8. You may not write notes elsewhere, make voice recordings, take cell phone snapshots or use any other technology to create a persistent record of the key or any other exam document during the review process.
9. **No cell phone use** during exam review. If you need to make or take a cell phone call, you must return the key and scantron to me prior to cell phone use.
10. **No exam reviews during the final week!**
11. **After the final week** – Exam reviews after the course ends will be restricted to the assessment of objective scoring errors, such as mistakes by the scantron machine or mathematical errors. I will not consider arguments regarding the merits of a student's exam answers. If you want to argue about exam questions, you must do it during your semester up until the final week but not afterwards.

ACADEMIC HONESTY

Students are expected to abide by ethical standards in preparing and presenting material which demonstrates their level of knowledge and which is used to determine grades. Such standards are founded on basic concepts of integrity and honesty. I hereby incorporate the Fullerton College Academic Honesty Policy in full.

READING ASSIGNMENTS - Reading for the course will consist of assignments in the text and some lecture handouts. I will give you a lecture sequence handout with reading assignments for the text and handouts. Let my lectures guide you on what particular topics to focus-in on in the text.

VIDEO VIEWING ASSIGNMENTS – I will be assigning short videos for you to view. I will not be showing these videos in class. Usually, each video will have accompanying study questions. Exams will include questions from these videos.

STUDY QUESTIONS

Study questions accompany each reading assignment and video assignment. There is no formal submittal of study questions. They will not be "assigned" for you to answer and turn in. The study questions are meant to help you to understand the basic principles of the reading and the assigned video. Read these questions in earnest. Use them as a resource to help you to prepare for exams. Try to briefly answer them on your own. For questions you cannot answer, bring them to class and we'll answer them there.

POLICIES REGARDING STUDENT MISCONDUCT

In an ongoing effort to establish and maintain a safe, healthful and productive learning environment, it has become necessary to enumerate and enforce the following policies on student misconduct.

Misconduct includes but is not limited to the following kinds of behaviors:

1. Ongoing conversations between students during lecture
2. Sleeping in class
3. Willful disobedience
4. Willful displays of disrespect for the academic mission of the classroom
5. Open and persistent defiance of my authority
6. Violating the rights of other students
7. Dishonesty
8. Failure to identify yourself when asked to do so

When I encounter student misconduct, the following policies apply:

1. Upon the first offense, students will be verbally requested to halt misconduct.
2. Upon second offense, students will be cited with a formal reprimand. This is a written reprimand issued to the student at the time of the infraction.
 - a. As part of the formal reprimand, the student is ordered to immediately cease and desist from the offending behavior.
 - b. A copy of the reprimand and a notification of issuance of the reprimand will be sent to the Dean of Student Affairs. These documents will become part of the student's permanent record at Fullerton College.
 - c. In addition, students will be asked to immediately leave the classroom.
 - d. Finally, students will be indicated on my attendance roster as an unexcused absence.
3. Students receiving a second formal reprimand will, in addition to the above actions, be suspended from the class for two additional class sessions.

Students receiving a third reprimand will, in addition to the above actions, be subject to disciplinary proceedings that can include involuntary withdrawal from the class and additional punitive actions deemed necessary and appropriate by the Dean of Student Affairs.

Please note that the above policies are consistent with existing policies on student conduct approved by the North Orange County Community College District and Fullerton College. For more information on the scope of these policies, please consult the Fullerton College Catalog.

Additional Policies Regarding Student Conduct



CELL PHONES – Please silence your cell phones and all other wireless communication devices. Please do not text-message, send/receive snapshots, fiddle with your customized settings, enter or edit phone numbers or engage in any other activity with your technological devices that distract you, me or other students from the lesson at hand.

ALL OTHER MEDIA DEVICES – Please disconnect yourself and turn off all music-playing, and gaming devices while class is in session.

SLEEPING IN CLASS - I do not allow students to sleep in class. I will gently wake you.

GOOGLE GLASS AND OTHER ELECTRONIC RECORDING DEVICES ARE BANNED – Google Glass, Spectacles by Snap and similar video recording devices are strictly prohibited in my classroom. All other audio and video recording is strictly prohibited (except by written permission from me).



READING NOVELS, MAGAZINES, OR THE NEWSPAPER IN CLASS - I know what it's like to read a really good book. Still, I will inform you that if you wish to stay in class, you must wait until class is over to get back to your story. Otherwise, you are free to leave the classroom and finish your story elsewhere. This policy also applies to any document that is not related to the ongoing classroom activities.

THE CLASSROOM IS NOT A SALON – My classroom is a working environment. I am there to work and I expect the same from you. The classroom is not a casual environment where you are free to come and go anytime you wish, or freely engage in distracting social activities. Please respect the classroom environment.

TARDINESS AND EARLY EXITS - I find it disruptive when students show up to class late or leave early. Please be in class on time.

IN-CLASS ANNOUNCEMENTS – Students are responsible for all in-class announcements. I usually write important announcements on the board. If you are not in class to witness my announcements, you are still responsible for them.

STUDENT-TEACHER RELATIONSHIP

I am your teacher and you are my student. Just to be clear, you are not my client. I work for the State of California which sets standards for my profession. Passengers do not set standards for airline pilots and students do not set standards for teachers. I take my profession very seriously. I work very hard at it and I set high standards for myself. They may not align with your expectations. I'm pretty much all business. If you need an entertainer, that's not me. I am here to serve you by providing meaningful and interesting opportunities for you to learn, and by encouraging you to benefit from those opportunities.

COMMUNICATIONS WITH ME

I prefer that you to conduct all communications with me in-person (f2f). I am quite aware of the coolness and shininess of online comm. – I was online with telnet and ftp in the mid '80s by modem and BBS (bulletin board service, not "be back soon") BEFORE teh intertubes and the google were invented. So, btdt a long time ago. I'm thrilled you love to tweet and spit game on your sick phone. But save some bandwidth and talk to me offline.

IF I AM NOT THERE AT THE BEGINNING OF CLASS – The college's policy expects you to wait until I am more than 15 minutes late before abandoning ship – provided I have not otherwise notified you to wait longer.

COPYRIGHT NOTICE

Except for content held by other copyrights, I am the owner of this course and its content. The following course resources are copyright© 2017 by Tom E. Morris. All rights reserved.

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2. Syllabus
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4. Lecture and all other course related statements made in a classroom, lab or field setting
5. Web site pages at <http://morriscourse.com>
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All persons are prohibited from reproducing lecture notes except for personal use. All persons are prohibited from giving, selling, copying, transmitting or publishing media reflecting class sessions, lecture notes, course materials, course content, lecture statements and any other session content to any person, organization or medium without explicit written authorization from the copyright holder.

All persons are obliged to comply with this copyright notice during the life of the class and indefinitely following class conclusion.

Unauthorized distribution of course materials is a violation of copyright.

Students who violate this copyright notice could face disciplinary and legal action.

Prohibitions on Recording Class Sessions

No person, student or otherwise, may record audio, or video of class sessions with any recording device, including cell phone, Google Glass, personal digital assistant, audio recorder, tape recorder, video camera, or any other device intended to capture and record session audio or video without the explicit written consent of the instructor.

Students are allowed to prepare lecture notes and field notes for personal use during the life of the class. Students may take occasional snapshots of the board.

Students are obliged to comply with these recording prohibitions during the life of the class and indefinitely following class conclusion.

End of Class Policy

1. After the last class meeting, the class will be permanently terminated.
2. After the last class meeting, there will be no more opportunities for you to achieve points or improve your grade.
3. If you are disappointed with your grade, I encourage you to reflect on its causes, learn from your experience, and wisely plan for a more successful future.

DISCLAIMER

I reserve the right to administer the above-stated class policies in a manner that is fair and just, and which is consistent with the educational goals of individual students and the class as a whole. I have the authority to use discretion when executing the above policies as I see fit, as long as such execution is fair and does not cause undeserved hardship or harm to any student.

END