

NORTH CENTRAL TEXAS COLLEGE

COURSE SYLLABUS

Course Title: Environmental Biology Online

Course Prefix & Number: BIOL2406

Section Number: 340 ***Semester/Year:*** Spring 2020

Semester Credit Hours: 4

Lecture Hours: 3 *Lab Hours:* 1

Course Description:

The instructor will use lectures, discussions, demonstrations and experiments to familiarize students with the methods and concepts of Environmental Science.

Course Prerequisite(s):

Required or Recommended Course Materials:

Principles of Environmental Science: Inquiry and Applications. 5th Edition or newer. Authors are Cunningham and Cunningham.

You do NOT need a lab manual. I provide all labs for you. You do not have to come to campus for my course.

INSTRUCTOR INFORMATION

Name of Instructor: Jessica Sharp

Campus/Office Location: online

Telephone Number:

E-mail Address: jsharp@nctc.edu or use Canvas course email

OFFICE HOURS: I am available to you 24/7 on email, but I can talk to you on the phone after we schedule an appointment.

Monday Tuesday Wednesday Thursday Friday

Online - Online - Online - Online - Online -

STUDENT LEARNING OUTCOMES (From Academic Course Guide Manual/Workforce Education Course Manual/NCTC Catalog)

Lecture learning outcomes:

At the successful completion of this course the student will be able to:

Understand key concepts that encompass the environment Learning the interactions between organisms and within species

Understanding what affect the human population has on our biotic and abiotic sources in the environment, evolution studies,

Have a sense of appreciation for our limited resources

Alternative energy, building, transportation, lifestyles

GRADING CRITERIA

Course Elements Graded Course Elements Point Value

COURSE SUBJECT OUTLINE (Major Assignments, Due Dates, and Grading Criteria)

2 exams @ 100 and 86 points each	186 pts
13 lecture quizzes at 15 points each	195 pts
12 Lab assignments at 15 points each	180 pts
Greenbuilding town proje	100 pts

TOTAL POSSIBLE POINTS = 661 points

A = 592 - 661 points C = 460 - 525 points
B = 526 - 591 points D = 395 - 459 points F <395

Students are expected to take all exams and quizzes by the day they are due unless arrangements are made with the instructor beforehand.

*If a student wishes to withdraw with an “Incomplete” (I), it must be requested in writing and the instructor must reply in writing in order for the request to be valid.

* You are responsible for adding up your own points that you earn throughout the semester. After adding a zero to an incomplete grade, instead of it being blank, this changes your points or % in the course. The best way to not be surprised at your grade at the end of the semester, is to take a record of your own points for the semester. You add them up and divide them by how many points you could have earned so far in this course. This is so important to know!

*It is also important that you write to me in a positive, respectful manner. Anyone who is threatening or gets angry in an email can be DROPPED from the course immediately.

**Read the ACCOUNCEMENTS each week. I will tell you of any changes and what content to concentrate on. I will also announce what is due each week. Here is your semester listed below. There are 15 weeks and four exams. All quizzes are 15 pts each, unless otherwise noted.

**Exams only cover the online lecture notes that go with each lesson. Labs are not tested on exams.

I hand-calculate every grade myself at the end of the semester to make sure the points are correct. You can use the points system to calculate your own grades as you go through the semester.

ATTENDANCE POLICY

Regular and punctual attendance is expected of all students in all classes for which they have registered. All absences are considered to be unauthorized unless the student is absent due to illness or emergencies as determined by the instructor. It is the student responsibility to provide

documentation as to the emergency for approval and judgement by the faculty member.

Approved college sponsored activities are the only absences for which a student should not be held liable and only when provided by a college official ahead of the absence. Valid reasons for absence, however, do not relieve the student of the responsibility for making up required work.

Students will not be allowed to make up an examination missed due to absence unless they have reasons acceptable to the instructor. A student who is compelled to be absent when a test is given should petition the instructor, in advance if possible, for permission to postpone the exam.

Students will be dropped from a class by the Registrar upon recommendation of the instructor who feels the student has been justifiably absent or tardy a sufficient number of times to preclude meeting the course's objectives. Persistent, unjustified absences from classes or laboratories will be considered sufficient cause for College officials to drop a student from the rolls of the College. From Board Policy FC (LOCAL)

Last day to withdraw from a course with a "W" is _April 3rd , 2019_____.

DISABILITY SERVICES (Office for Students with Disabilities)

The Office for Students with Disabilities (OSD) provides support services for students with disabilities, students enrolled in technical areas of study, and students who are classified as special populations (i.e. single parents).

Support services for students with disabilities might include appropriate and reasonable accommodations, or they may be in the form of personal counseling, academic counseling, career counseling, etc. Furthermore, OSD Counselors work with students to encourage self-advocacy and promote empowerment. The Counselors also provides resource information, disability-related information, and adaptive technology for students who qualify.

If you feel you have needs for services that the institution provides, please reach out to either Wayne Smith (940) 498-6207 or Yvonne Sandman (940) 668-3300. Alternative students may stop by Room 170 in Corinth or Room 111 in Gainesville.

CORE CURRICULUM FOUNDATIONAL COMPONENT AREA (For classes in the Core)_____

Communication

☐ ☐ Mathematics Government/Political Science

☐ ☐ Life and Physical Science Social and Behavioral Sciences

☐ ☐ Language, Philosophy & Culture Component Area Option

☐ ☐ Creative Arts

☐ American History

☐ **REQUIRED CORE OBJECTIVES** (For classes in the Core)

Critical Thinking Teamwork

☐ ☐ Communication Personal Responsibility

☐ ☐ Empirical and Quantitative Social Responsibility

☐ ☐

COURSE TYPE

Academic General Education Course (from ACGM but not in NCTC Core)

☐ Academic NCTC Core Curriculum Course

☐ WECM Course

☐

STUDENT HANDBOOK

Students are expected to follow all rules and regulations found in the student handbook and published online.

ACADEMIC DISHONESTY

Scholastic dishonesty shall include, but is not limited to cheating, plagiarism, academic falsification, intellectual property dishonesty, academic dishonesty facilitation and collusion. Faculty members may document and bring charges against a student who is engaged in or is suspected to be engaged in academic dishonesty. See Student Handbook, “Student Rights & Responsibilities: Student Conduct ([FLB(LOCAL)])”.

Consequences for academic dishonesty may include:

- 1) Forced withdrawal from the course
- 2) Zero on the assignment/exam grade

QUESTIONS, CONCERNS, or COMPLAINTS

Name of Chair/Coordinator: Dr. Lisa Bellows

Office Location: Gainesville Science Building Office 408

Telephone Number: 940-668-4252

E-mail Address: lbellows@nctc.edu

<i>Tentative Calendar (optional)</i>	Weekly Schedule of Lecture & Lab <i>*The Weekly Quizzes are always due the Monday night of the last date of the week by midnight. No exceptions.</i>
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		Date	Chapters/quiz due	Lab& lab quizzes due	
	Lesson 1 (January 21 - 27)		Chapter 1 Understanding our Environment; Chapter 1 quiz	Rachel Carson Lab; lab quiz 1	
	Lesson 2 (January 28 – February 3)		Chapter 2: Environmental Systems and Chapter 2 quiz	Lab 2 – Plant ID lab outside - using a dichotomous key	
	Lessons 3 and 4 combined module (February 4 - 17) *You get two weeks for this module		Chapter 3: Species Populations, Interactions, and Communities and Chapter 3 quiz - 30 pts	Lab 3 – Evolution NPR discussion Lab 4: Evolution lab	
	Lesson 5 (February 18 - 24)		Chapter 4: Human Populations Lab and Chapter 4 quiz	Lab 5 - Population lab looking at histograms	
	Exam 1: Chapters 1 to 4 February 26		Wednesday from 3pm to 11pm open time frame	Exam covers Chapters 1 to 4	
	Lesson 6: (February 25- March 2)		Chapter 5: Water Biomes sections, pages 103 to the end (Marine Ecosystems to the end of the chapter) and Chapter 5 quiz	Lab 6: Water biomes	
	Lesson 7 (March 3 – 9)		Chapter 6: Environmental conservation and Chapter 6 quiz	Lab 7: Ecobarons PPT about the book titled "Ecobarons" and Discussion forum on this topic	
	Lesson 8 (March 10 - 23) *You get two weeks for spring break		Chapter on Water part 1; Read all notes and powerpoint slides 1- 49	Lab 8: Eutrophication Lab Quiz on Eutrophication	

	Lesson 9 (March 24- 30)	Chapter on Water Part II ; Study PPT slides 50-84 Water part II quiz	Lab 9: study the virtual tour of WWTP and then take the quiz
	Lesson 10 (March 31 – April 6)	Chapter 13: Solid and Hazardous Waste; Chapter 13 quiz	Lab 10: Watch and take notes on all the online landfill video tours in lab folder; quiz on landfills
	Lesson11 (April 7 - 13)	Chapter 7: Food and Agriculture	Lab 11: Environmental Nutrition and Precycling discussion forum
	Lesson 12 (April 14 - 20)	Chapter 12: Energy part 1: "old energy"; Chapter 12 part1 Quiz	Lab 12: Global warming lab: slideshow/NPR news
	Lesson 13 (April 21 - 27)	Chapter 12 part II: Renewables and take the Quiz	Lab13: Wind Energy lab and lab quiz start greenbuilding projects
	Lesson 14: (April 28 – May4)	Greenbuilding Lecture and work on your town No lab today	Greenbuilding Projects continued
	Lesson 15: (May 5 -11)	Turn in Greenbuilding Projects	Greenbuilding project DUE by May 11; upload your video or photo/paper to the drop box
	Exam 2: Covers all content after lesson 5 May 13	Exam is from 10am to midnight open time frame	Wednesday, May 13