

# NORTH CENTRAL TEXAS COLLEGE

## COURSE SYLLABUS

***Course Title:*** Environmental Biology Online

***Course Prefix & Number:*** BIOL2406

***Section Number:*** 340    ***Semester/Year:*** Summer II 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):*** None

***Required or Recommended Course Materials:***

Principles of Environmental Science: Inquiry and Applications. 5<sup>th</sup> 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        |
| <b>Greenbuilt town project</b>       | <b>100 pts</b> |

**TOTAL POSSIBLE POINTS = 661 points**

|                             |                             |                  |
|-----------------------------|-----------------------------|------------------|
| <b>A = 592 - 661 points</b> | <b>C = 460 - 525 points</b> |                  |
| <b>B = 526 - 591 points</b> | <b>D = 395 - 459 points</b> | <b>F &lt;395</b> |

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 4 weeks and 2 exams. All quizzes are 15 pts each, unless otherwise noted.

\*\*Exams only cover the online lecture notes that go with each lesson. Lab content is not tested on exams unless it is the same material as lecture material.

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 August 5<sup>th</sup>, 2020 .**

#### **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

| <b><i>Tentative<br/>Calendar<br/>(optional)</i></b> | <b>Weekly Schedule of Lecture &amp; Lab</b>   |  |   |
|---|---|--|---|
|   | *The Weekly Quizzes are always due the Wednesday night of the last date of the week by midnight. No exceptions. |  |   |
|   |   | <b>Date</b>  | <b>Chapters/quiz due</b>  |
|   |   |  | <b>Lab&amp; lab quizzes due</b>   |
|   | Lesson 1<br>(July 15 – July 22)   | Chapter 1<br>Understanding our<br>Environment;<br>Chapter 1 quiz   | Rachel Carson Lab;<br>lab quiz 1  |
|   | Lesson 2<br>(July 15 – July 22)   | Chapter 2:<br>Environmental Systems<br>and Chapter 2 quiz  | Lab 2 – Plant ID lab outside -<br>using a dichotomous key                                       |
|   | Lessons 3 and 4 combined<br>module<br>(July 15 – July 22)   | Chapter 3: Species<br>Populations,<br>Interactions, and<br>Communities and<br>Chapter 3 quiz - 30 pts                                  | Lab 3 – Evolution NPR<br>discussion<br>Lab 4: Evolution lab                                     |
|   | Lesson 5<br>(July 23- July 29)  | Chapter 4: Human<br>Populations Lab and<br>Chapter 4 quiz  | Lab 5 - Population lab looking<br>at histograms   |
|   | <b>Exam 1: Chapters 1 to 4<br/>July 30**Gives you an<br/>extra week to study<br/>Exam review</b>                | <b>Thursday from<br/>3-11pm open time<br/>frame</b>  | <b>Exam covers Chapters 1 to 4<br/>Exam 1 review is listed in<br/>the pages section</b>         |
|   | Lesson 6:<br>(July 23-July 29)  | Chapter 5: Water<br>Biomes sections, pages<br>103 to the end (Marine<br>Ecosystems to the end<br>of the chapter) and<br>Chapter 5 quiz | Lab 6: Water biomes   |
|   | Lesson 7<br>(July 23 - 29)  | Chapter 6:<br>Environmental<br>conservation and<br>Chapter 6 quiz  | Lab 7: Ecobarons PPT about the<br>book titled "Ecobarons" and<br>Discussion forum on this topic |

|  |  |   |   |  |
|--|--|---|---|--|
|  | Lesson 8<br>(July 23 - 29)   | Chapter on Water<br>part 1; Read all notes<br>and powerpoint slides<br>1- 49  | Lab 8: Eutrophication Lab<br><br>Quiz on Eutrophication   |  |
|  | Lesson 9<br>(July 30 – August 5)   | Chapter on Water Part<br>II ; Study PPT slides<br>50-84<br>Water part II quiz | Lab 9: study the virtual tour of<br>WWTP and then take the quiz   |  |
|  | Lesson 10<br>(July 30 – August 5)  | Chapter 13: Solid and<br>Hazardous Waste;<br>Chapter 13 quiz                  | Lab 10: Watch and take notes<br>on all the online landfill<br>video tours in lab folder; quiz on<br>landfills |  |
|  | Lesson 11<br>(July 30 – August 5)  | Chapter 7: Food and<br>Agriculture  | Lab 11: Environmental Nutrition<br>and Precycling discussion forum  |  |
|  | Lesson 12<br>(July 30 – August 5)  | Chapter 12: Energy<br>part 1: "old energy";<br>Chapter 12 part1 Quiz          | Lab 12: Global warming lab:<br>slideshow/NPR news   |  |
|  | Lesson 13<br>(August 6 - 12)   | Chapter 12 part II:<br>Renewables and take<br>the Quiz                        | Lab 13: Wind Energy lab and<br>lab quiz<br><b>start greenbuilding<br/>projects</b>                            |  |
|  | Lesson 14:<br>(August 6-12)  | Greenbuilding Lecture<br>and work on your town<br>No lab today                | Greenbuilt town Projects continued  |  |
|  | Lesson 15:<br>(August 6-12)  | <b>Turn in Greenbuilt<br/>Town Projects</b>                                   | <b>Greenbuilding project DUE<br/>by MONDAY August 17; upload your v<br/>or photo/paper to the drop box</b>    |  |
|  | <b>Exam 2: Covers all<br/>content after lesson 5<br/>*Open August 19</b> | <b>Exam is from 10am to<br/>midnight open time<br/>frame</b>                  | <b>Wednesday, August 19</b>   |  |
|  |  |   |   |  |