

**University of North Texas at Dallas**  
**Summer I 2015**  
**SYLLABUS**

<b>BIOL1132D_030/BIOL 1132_330: Environmental Science: 3 Hrs</b>	
<b>Department of Life and Health Sciences</b> <b>Division of Liberal Arts and Life Sciences</b>	
<b>Instructor Name:</b>	Dr. Donna Hamilton
<b>Office Location:</b>	Room 250, Founder's Hall (Building 2)
<b>Office Phone:</b>	(972) 338-1522
<b>Email Address:</b>	Donna.hamilton@untdallas.edu
<b>Office Hours:</b>	10-11 M-R
<b>Virtual Office Hours:</b>	Most days and times available by appointment
<b>Classroom Location:</b>	ONLINE
<b>Class Meeting Days &amp; Times:</b>	ONLINE
<b>Course Catalog Description:</b>	Interdisciplinary approach to understanding basic concepts in environmental science including critical scientific thought, biodiversity, resource management, pollution, global climate change, resource consumption and population growth. Emphasis on how these concepts affect and are affected by human society. Includes laboratory. May not be counted toward a major or minor in biology. <i>Note: May be used to satisfy a portion of the Natural Sciences requirement of the University Core Curriculum.</i>
<b>Prerequisites:</b>	None
<b>Co-requisites:</b>	BIOL1132-030 (lecture) and -330 (laboratory)
<b>Required Text:</b>	Navigate 2 Advantage Digital Access For Environmental Science Edition: 10 <sup>th</sup>
<b>Recommended Text and References:</b>	
<b>Access to Learning Resources:</b>	UNT Dallas Library: phone: (972) 780-3625; web: <a href="http://www.unt.edu/unt-dallas/library.htm">http://www.unt.edu/unt-dallas/library.htm</a> UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: <a href="mailto:1012mgr@fhcg.follett.com">1012mgr@fhcg.follett.com</a>
<b>Course Goals or Overview:</b>	
	The goal of this course is to introduce students to environmental science and to give students the background information needed to critically think about current environmental issues. Topics will include basic ecology, a review of environmental policy, and resource management theories. The course will include discussions of current environmental and conservation challenges, many of which do not have a clear-cut solution. Students should be willing and able to voice and defend their opinions on these subjects as well as be respectful of the opinions of others. Students will be evaluated based on exam performance and research paper.
<b>Learning Objectives/Outcomes:</b> At the end of this course, the student will	
1	Demonstrate the ability to assimilate and critically think about biological and scientific processes/theories.
2	Demonstrate the ability to assimilate and critically think about environmental policy and legislation.
3	Explain the various roles of organisms in their environment, and discuss the interrelatedness of living organisms, environmental processes, and human cultural and societal needs.
4	Be able to accurately explain the conflicting social, economic, and biological needs of humanity and other living organisms.
5	Identify the major attributes and characteristics of the earth's major ecosystems and explain the role they play in economically important ecosystem services and biotourism.
6	List and discuss various personal and corporate actions that can mitigate or reverse the negative impact of

human activities on the biosphere; explain various tradeoffs related to sustainable stewardship of the earth's biodiversity and its resources.
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## Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated by the instructor during class or via Blackboard

## Lecture Schedule

Timeline	TOPICS	Lecture Deadlines	Lab Deadlines
Week of 6/8/2015	Chapter 1: Environmental Science, Sustainability and Critical Thinking	Quiz 1	Lab 1
	Chapter 2: Environmental Protection and Sustainability	Quiz 2	Lab 2
	Chapter 3: Understanding the Root Causes of the Environmental Crisis	Quiz 3	
		Research Paper Thesis Statement due Test 1	
Week of 6/15/2015	Chapter 4: How Ecosystems Work	Quiz 4	Lab 3
	Chapter 5: Biomes and Aquatic Life Zones	Quiz 5	Lab 4
	Chapter 7: Our Changing Relationship with the Environment	Quiz 7	
		Research Paper Bibliography due Test 2	
Week of 6/22/2015	Chapter 8: Population: Measuring Growth and Its Impact	Quiz 8	Lab 5
	Chapter 9: Stabilizing the Human Population	Quiz 9	Lab 6
	Chapter 11: Preserving Biological Diversity	Quiz 11	
	Chapter 13: Water Resources	Quiz 13	
		Research Paper Rough Draft due Test 3	
Week of 6/29/2015	Chapter 14: Nonrenewable Energy Sources	Quiz 14	Lab 7
	Chapter 20: Global Air Pollution	Quiz 20	Lab 8
	Chapter 21: Water Pollution	Quiz 21	
	Chapter 24: Environmental Ethics	Quiz 24	
		Research Paper Final due Test 4	

### Grades Possible:

Quizzes

14@ 10 points each

140

Discussion Board

14@ 10 points each

140

Research Paper Thesis	10 points	15
Research Paper Bibliography	15 points	20
Research Paper Rough Draft	25 points	25
Research Paper Final	50 points	50
Exams	4@ 100 points each	400
Labs	8@ 30 points each	240
Total		1020

Standard percentages apply to letter grades so 90-100% is an A and you can calculate the points needed for these percentages by multiplying the percentage (90% for example) by the total points possible (1020 in this course) to get the final point totals you need for an A (918).

**Note: The lab is worth 24% of your final overall grade for the course. However, you must receive a passing grade (60% or higher) in the laboratory exercises over all to receive a passing grade in the class. Students must pass both the lecture and the lab independently to pass the course (i.e. if you fail the lab, you automatically fail the entire course and if you fail the lecture, you automatically fail the course). There are NO EXCEPTIONS to this requirement.**

## University Policies and Procedures

### Students with Disabilities (ADA Compliance):

The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Any student requesting academic accommodations based on a disability is required to register with Disability Services each semester. A letter of verification for approved accommodations can be obtained from this office. Please be sure the letter is delivered to me as early in the semester as possible. Disability Services is located in the Student Life Office in DAL2, Suite 200 and is open 8:30 a.m. – 5:00 pm, Monday through Friday. The phone number is (972) 338-1775.

### Student Evaluation of Teaching Effectiveness Policy:

The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.

### Assignment Policy:

**Late assignments are NOT ACCEPTED.**

### Exam Policy:

Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook). If a student knows in advance that they will miss an exam, they must take the exam prior to the exam date. **There is no make-up exam for an unexcused, missed exam.** Any student caught cheating will automatically receive a 0 on the exam, and the instructor may pursue further disciplinary action.

### Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Academic Integrity at <http://www.unt.edu/unt-dallas/policies/Chapter%2007%20Student%20Affairs,%20Education,%20and%20Funding/7.002%20Code%20of%20Academic%20Integrity.pdf> for complete provisions of this code.

In addition, all academic work submitted for this class, including exams, papers, and written assignments should include the following statement:

**On my honor, I have not given, nor received, nor witnessed any unauthorized assistance that violates the UNTD Academic Integrity Policy.**

### Attendance and Participation Policy:

The University attendance policy is in effect for this course. Class participation is required because the class is designed as a shared learning experience and because essential information may come from Discussions or lab

*activities.. Attendance and participation in all discussions, labs and other activities is essential to the integration of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent.*

**Diversity/Tolerance Policy:**

*Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive and inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Office of Student Life as the instructor deems appropriate.*

**Food/Drink Policy**

*Since you are an online student, do what you want!.*