

# University of North Texas at Dallas

## Summer 2016 SYLLABUS

<b>Course Abbreviation/Number/Title/Semester Hrs</b>	
BIOL1132D.031: Environmental Science: 3 Hrs. BIOL1132D.331: Environmental Science Laboratory	
<b>Department of Life and Health Sciences</b>	<b>Division of Liberal Arts and Life Sciences</b>
<b>Instructor Name:</b>	Dr. Lynda Folts
<b>Office Location:</b>	Room 302, Founder's Hall (Building 2)
<b>Office Phone:</b>	(972) 322-4265
<b>Email Address:</b>	lynda.folts@untdallas.edu
<b>Office Hours:</b>	Virtual: Monday: 7:00 – 8:00 am Virtual: Wednesday: 7:00 - 8:00 am (or by appointment, contact the instructor)
<b>Virtual Office Hours:</b>	Appointments available when needed./contact instructor directly.
<b>Classroom Location:</b>	100% Online
<b>Class Meeting Days &amp; Times:</b>	100% Online
<b>Course Catalog Description:</b>	Interdisciplinary approach to understanding basic concepts in environmental science and community laboratory 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>	Biol 1132D.330 Online Laboratory
<b>Required Text:</b>	Textbook: Hassenzahl, DM, Hager MC, Berg, LR. 2012. <i>Visualizing Environmental Science.</i> 4th Edition. Wiley Publishing Co. United States of America. ISBN: 978-1-11-8169834
<b>Required Lab Text :</b>	online
<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@fheg.follett.com">1012mgr@fheg.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, lab reports, assignments, and oral presentation.
<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.

## Lecture Schedule

Week/Date	Topic	Assignments	Points Due Dates
1 July 11-17	Chapter 1 & 2 Environmental challenges & Sustainability Chapter 3 Environmental History, Politics, and Economics Chapter 4 Risk Analysis, Environmental Hazards	Discussion Board Quiz 1- Ch.1-3 Due Quiz 2- Ch. 4 Due	30 7/17 11 7/14 11 7/17
2 July 18-24	Chapter 5 How Ecosystems Work Chapter 6 Ecosystems and Evolution Chapter 7 Human Population Change and Environment Chapters 8 & 9 Air and Air Pollution Global Atmospheric Changes Chapter 10 Freshwater Resources and Water Pollution	Discussion Board Quiz 3-Ch. 5-6 Quiz 4- Ch. 7 Quiz 5 Ch.8 & 9	60 7/24 11 7/21 11 7/22 11 7/24
<b>Exam 1 Posted on Blackboard Course Page-Due 07-27-16 - 200 points</b>			
3 July 25-31	Chapter 11 The Ocean and Fisheries Chapter 12 Mineral and Soil Resources Chapter 13 Land Resources	Discussion Board Quiz 6 Ch. 10-12 Quiz 7 Ch. 13	30 7/31 11 7/28 11 7/31
4 August 1-7	Chapter 14 Agriculture and Food Resources Chapter 15 Biodiversity and Conservation Chapter 16 Solid and Hazardous Waste	Discussion Board Quiz 8 Ch. 14 Quiz 9 Ch. 15 & 16	30 8/7 11 8/4 11 8/7
5 August 7-12	Chapter 17 & 18 Renewable and Non- Renewable Resources	Discussion Board Quiz 10 Ch. 17 & 18	30 8/9 11 8/9
<b>Exam 2 Posted Online Due- 8-10-16 midnight</b>		200 points	Due 8/10

## Laboratory Schedule

Week	Date	Topic	Points
1	July 11-17	Movie: <i>Gasland</i> <b>Lab Assignment 1:</b> Worksheet on the Movie <i>Gasland</i>	100
3	July 25-31	<b>Lab Assignment 2:</b> Worksheet on the Movie: Vanishing of the Bees	100
5	August 8-12	<b>Lab exam 1 – DUE Aug. 9, 2016 midnight</b>	60
Total lab points			250

## Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course  
**Course Work (690 points)-** 5 Weekly discussion Board, 10 Quizzes , Course work posted on the Blackboard page and due weekly

**Laboratory (250 points)** – You will perform virtual experiments designed to give you real-world applications of the lecture material assignment worth 100 points, for a total of 250 points. You do not receive a separate grade for lab, so the points received for the lab are included in the lecture grade. **Note: The lab is worth 26% of your final overall grade for the course. However, students must pass both the lecture and the lab.**

**Grading Matrix:**

Instrument	Value (points)	Total
<b>Lecture</b>		
5 Discussion Board	30-60 points weekly 5 weeks	180
10 Blackboard Quizzes	11 points each	110
Exams	2 exams worth 200 points each	400
<b>Lab</b>		
Lab assignments	10 – 20 points each	200
Lab exams	1 lab exam	60
<b>Total:</b>		<b>950</b>

**Grade Determination:**

- 855-950 A
- 760-854 B
- 665-759 C
- 570-664 D
- 569 or < F

Separate letter grades will not be assigned for the lab.

The lab is worth 26% of the total course grade (250 points). This is a large component of your course grade and should be taken into consideration.

**University Policies and Procedures**

**Students with Disabilities (ADA Compliance):**

**Chapter 7(7.004) Disability Accommodations for Students**

The University of North Texas at Dallas makes reasonable academic accommodation for students with disabilities. Students should contact the Disability Services Office (DSO) to verify their eligibility. If a disability is verified, the DSO will provide you with an accommodation letter to be delivered to the instructor. Request accommodations at any time, however, DSO notices of accommodation should be provided as early as possible in the semester. A new letter of accommodation for every semester and must meet/communicate with each faculty member prior to implementing the accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss their accommodations with the student. For additional information see the Disability Services Office website at <http://www.untDallas.edu/disability>. You may also contact the DSO at UNTDdisability@untDallas.edu or at Building 2, room 204.

**Blackboard Learn Accessibility Statement:**

University of North Texas at Dallas is committed to ensuring its online and hybrid courses are usable by all students and faculty members. If you have any questions or need accommodations, please contact our ITSS Department. To better assist them, you would want to have the operating system, the course management system's accessibility statement is also provided: <http://www.blackboard.com/Platforms/Learn/Resource/Accessibility>

**NOTE:** Additional instructional technology tools, such as Turnitin, Respondus, Panopto, and publisher cartridge content, are used in this course. The Disability Services Office should you require additional assistance utilizing any of these tools.

**Course Evaluation Policy:**

Student's evaluations of teaching effectiveness is a requirement for all organized classes at UNT Dallas. This short survey is a requirement for all organized classes. I am very interested in the feedback I get from students, as I work to continually improve my teaching. Your participation in this class is appreciated.

**Assignment Policy:** (According to the instructor's discretion while working in concert with the division/program's guidelines)

**Exam Policy:** (Online exams and the ability to retake is solely at the instructor's discretion). **NOTE:** Online exams may be taken at any time.

**Academic Integrity:**

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity.

will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Academic Integrity at [http://www.untDallas.edu/sites/default/files/page\\_level2/pdf/policy/7.002%20Code%20of%20Academic\\_Integrity.pdf](http://www.untDallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic_Integrity.pdf) for complete details. Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabrication of information or citations, facilitating the submission of work of another person or work previously used without informing the instructor, or tampering with the academic record. **Web-based Plagiarism Detection:** Please be aware in some online or hybrid courses, students may be required to submit assignments to Turnitin. If submitting to Turnitin, please remove your title page and other personal information.

## Classroom Policies

### Online Attendance and Participation:

The University attendance policy is in effect for this course. Class attendance in the Blackboard classroom and participation in the discussion board are required because essential information not in the textbook will be discussed in the discussion board. Online presence and participation are required to demonstrate proficiency.

Attendance for this online or hybrid course is considered when you are logged in and active in Blackboard, i.e., posting a question or answer. For award eligibility, activity must occur before the census date of the session or term of the course. Refer to [http://www.untDallas.edu/sites/default/files/page\\_level2/pdf/policy/7.002%20Code%20of%20Academic\\_Integrity.pdf](http://www.untDallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic_Integrity.pdf) for complete details. YOUR responsibility to let the instructor know immediately, upon your return, the reason for your absence if it is to be excused. However, it is the instructor's discretion, as outlined in the course syllabus, of how unexcused absences may or may not be excused.

**Inclement Weather and Online Classes:** Online classes may or may not be effected by campus closures due to inclement weather. In the event of an online announcement, students should assume that assignments are due as scheduled.

### Online "Netiquette:

In any social interaction, certain rules of etiquette are expected and contribute to more enjoyable and productive communication. Communication in the online environment should use proper "netiquette" (i.e., no writing in all caps (usually denotes yelling or shouting).

Racial, ethnic, or gender slurs will not be tolerated, nor will pornography of any kind.

Any violation of online netiquette may result in a loss of points or removal from the course and referral to the Dean of Students for further action. Refer to the Student Code of Student Rights Responsibilities and Conduct at [http://www.untDallas.edu/sites/default/files/page\\_level2/pdf/policy/7.002%20Code%20of%20Academic\\_Integrity.pdf](http://www.untDallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic_Integrity.pdf) for complete details. please be sure to proofread all of your written communication prior to submission.

### Diversity/Tolerance Policy:

Students are encouraged to contribute their perspectives and insights to class discussions in the online environment. Harassment based on particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Refer to the Dean of Students as the instructor deems appropriate.

**Technology Requirements:** In order to successfully access the materials in an online or hybrid course, UNT Dallas advises students to use Blackboard Learn 9.1 as the platform software for this course. Blackboard Learn supports major web browsers such as Internet Explorer, Firefox, and Chrome since the latter two are updated continually, some recent versions may not be compatible. If you experience difficulty accessing the course, please contact your instructor. what browser you use, always enable pop-ups. For more information see:

- <http://www.untDallas.edu/dlit/ecampus/requirements>
- <https://blackboard.secure.force.com/publickbarticleview?id=kAB700000008Oom>
- [https://learn.unt.edu/bbcswebdav/institution/BrowserCheck/check\\_full.html](https://learn.unt.edu/bbcswebdav/institution/BrowserCheck/check_full.html)