

Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.

COURSE SYLLABUS

ENVR 320

ENVIRONMENT AND SUSTAINABILITY

COURSE DESCRIPTION

This course surveys the major components of ecosystems and the structure and dynamics of populations and communities. These components are then integrated and applied from a sustainability perspective to environmental issues including human population growth, land, water and air resource management and use, conservation of biodiversity and energy sources and use.

RATIONALE

ENVR 320 introduces the student to how God's creation (an ecosystem) is designed to work in a sustainable fashion. This course is required for the cognate in Green and Sustainable Management (B.S. in Business Administration). The student passing this course will have the knowledge and skills needed to guide businesses in applying principles of sustainability to environmental issues.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the [Academic Course Catalog](#).

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: <http://bookstore.mbsdirect.net/liberty.htm>

III. ADDITIONAL MATERIALS FOR LEARNING

- A. Computer with basic audio/video output equipment
- B. Internet access (broadband recommended)
- C. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

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

- A. Discuss God's charge to us to be stewards of His world and how environmental science can be used to identify issues and propose sustainable solutions.
- B. Describe major components and processes of environmental systems including movement of matter and energy in an ecosystem, biodiversity, population, and community ecology.

- C. Describe environmental issues and various sustainable solutions with regard to human population growth, soils and agriculture, biodiversity, environmental health, freshwater and marine systems, the atmosphere, and waste management.
- D. Discuss the pros and cons of different types of nonrenewable and renewable energy sources and their environmental impacts.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

- A. Textbook readings and lecture presentations
- B. Course Requirements Checklist

After reading the Course Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.

- C. Discussion Board Forums (4)

Discussion boards are collaborative learning experiences. Therefore, the student is required to create a thread in response to the provided prompt for each forum. Each thread must be at least 250 words and demonstrate course-related knowledge. In addition to the thread, the student is required to reply to 1 other classmate’s thread. Each reply must be at least 100 words.

- D. Green and Sustainable Businesses Report

The student will write a 5-page research-based paper in current APA format that focuses on how businesses are incorporating green and sustainable practices. The paper must include at least 6 sources in addition to the course textbooks and the Bible.

- E. Exams (4)

Each exam will cover specific Reading & Study assignments, which are designated in the module/week in which it is due. Each exam will be open-book/open-notes, contain at least 70 multiple-choice questions as well as at least 2 essay questions, and have a 2-hour time limit.

VI. COURSE GRADING AND POLICIES

- A. Points

Course Requirements Checklist	10
Discussion Board Forums (4 at 50 pts ea)	200
Green and Sustainable Businesses Report	160
Exams (4 at 160 pts ea)	640
Total	1010

- B. Scale

A = 900–1010 B = 800–899 C = 700–799 D = 600–699 F = 0–599

C. Disability Assistance

Students with a documented disability may contact Liberty University Online's Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

COURSE SCHEDULE

ENVR 320

Textbook: Withgott & Laposata, *Essential Environment* (2015).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Withgott & Laposata: chs. 1–2, 5 1 presentation 1 article	Course Requirements Checklist Class Introductions DB Forum 1	10 0 50
2	Withgott & Laposata: chs. 3–4 2 presentations	Exam 1	160
3	Withgott & Laposata: chs. 6–7 1 presentation	DB Forum 2	50
4	Withgott & Laposata: ch. 10 1 presentation	Exam 2	160
5	Withgott & Laposata: chs. 8–9, 13–14 1 presentation 1 website	DB Forum 3 Green and Sustainable Businesses Report	50 160
6	Withgott & Laposata: ch. 12 2 presentations	Exam 3	160
7	Withgott & Laposata: chs. 15–16 1 presentation	DB Forum 4	50
8	Withgott & Laposata: chs. 17–18 1 presentation	Exam 4	160
TOTAL			1010

DB = Discussion Board

NOTE: Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.