

**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***

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### **HLTH 624**

#### **SANITATION IN DEVELOPING COUNTRIES**

#### **COURSE DESCRIPTION**

This course examines environmental hygiene and health problems related to water supply and sanitation. Low cost methods as well as appropriate technology applied to sanitation are discussed.

#### **RATIONALE**

A hygiene environment is essential for healthy living. Proper sanitation and safe water are essential for an environment, especially in lesser economically developed countries. This course will give the student the basic knowledge and tools to address these fundamental water and sanitation issues for global settings.

#### **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 Word  
(Microsoft Office is available at a special discount to Liberty University students.)

**IV. MEASURABLE LEARNING OUTCOMES**

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

- A. Assess sanitation and water needs in a developing community setting.
- B. Analyze challenges to overcoming infrastructure disparities in a developing nation.
- C. Describe alternative solutions for meeting sanitation needs in developing communities.
- D. Demonstrate affordable technologies to provide potable water for communities in need.
- E. Describe water-washed and water-borne diseases.

**V. COURSE REQUIREMENTS AND ASSIGNMENTS**

- A. Textbook readings and lecture presentations
- B. Course Requirements Checklist  
After reading the Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.
- C. Discussion Board Forums (3)  
The student is required to provide a thread in response to the provided prompt for each forum. Each thread must be 400–450 words and demonstrate course-related knowledge. In addition to the thread, the student is required to reply to 2 other classmates' threads. Each reply must be 150–200 words.
- D. Article Reviews (2)  
The student will review the major points of an article. This is an individual assignment involving the review of the major points of a case study or article. The student is expected to provide suggestions to address the problem in the case study or article. This assignment must be 450–600 words. The student must include 1 peer-reviewed article source in addition to the citation of the assigned case study or special topic.
- E. Short Essays (2)  
The student is required to respond to a topic provided by the course instructor. The essay should be 200–250 words in current AMA format.
- F. Research Paper:  
Topic Submission  
The student will select a specific topic for his or her Research Paper. The topic selection will be submitted to the instructor for approval.  
Outline  
The student will create a detailed outline for the Final Version of the Research Paper.

References

The student will research at least 10 scholarly resources that are no more than 5 years old. The student will cite the resources in current AMA format.

Final Submission

The student will write a 10–12-page research-based paper (excluding the reference and cover page) in current AMA format that focuses on an approved topic. The paper must include at least 10 references in addition to the course textbooks and the Bible.

G. Mid-Term Exam

This exam covers information from Modules/Weeks 1–4. The Mid-Term Exam will be open-book/open-notes, contain 50 multiple-choice and true/false questions, and have a 2-hour time limit.

H. Final Exam

This exam covers information from Modules/Weeks 5–8. The Final Exam will be open-book/open-notes, contain 50 multiple-choice and true/false questions, and have a 2-hour time limit.

**VI. COURSE GRADING AND POLICIES**

A. Points

Course Requirements Checklist		10
Discussion Board Forums (3 at 100 pts ea)		300
Article Reviews (2 at 100 pts ea)		200
Short Essays (2 at 50 pts ea)		100
Research Paper:		
Topic Submission		10
Outline		20
References		20
Final Submission		150
Mid-Term Exam	(Modules 1–4)	100
Final Exam	(Modules 5–8)	100
	<b>Total</b>	<b>1010</b>

B. Scale

A = 940–1010 A- = 920–939 B+ = 900–919 B = 860–899 B- = 840–859  
C+ = 820–839 C = 780–819 C- = 760–779 D+ = 740–759 D = 700–739  
D- = 680–699 F = 679 and below

C. Tests/Exams

1. Students must take the exam during the assigned module/week.
2. No test will be accepted after original due date without written approval from the instructor. This approval must be sought prior to tests due date.
3. Students may not exceed the time limit allotted for exams. 5 points will be deducted from the test grade for every 10 minutes that the test is conducted beyond the allotted time requirement.

D. Disability Assistance

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

## ***COURSE SCHEDULE***

### **HLTH 624**

Textbooks: Conant & Fadam, *A Community Guide to Environment Health* (2008).  
Selendy, *Water and Sanitation-Related Diseases and the Environment* (2011).

<b>MODULE/ WEEK</b>	<b>READING &amp; STUDY</b>	<b>ASSIGNMENTS</b>	<b>POINTS</b>
<b>1</b>	Selendy: chs. 1–3, 5, 15 1 presentation 1 website	Course Requirements Checklist Class Introductions DB Forum 1	10 0 100
<b>2</b>	Selendy: chs. 7, 10–11 1 presentation 1 website	Article Review 1 Research Paper: Topic Submission	100 10
<b>3</b>	Selendy: chs. 9, 12–14, 31, 37 1 presentation 2 website	DB Forum 2 Research Paper: Outline	100 20
<b>4</b>	Conant & Fadam: ch. 6 Selendy: chs. 18–19 1 presentation 1 website	Short Essay 1 Mid-Term Exam	50 100
<b>5</b>	Conant & Fadam: ch. 7 Selendy: ch. 22 1 presentation 1 website	DB Forum 3 Research Paper: References	100 20
<b>6</b>	Conant & Fadam: ch. 18 1 presentation 2 website	Article Review 2	100
<b>7</b>	Conant & Fadam: chs. 19–20 1 presentation 1 website	Research Paper: Final Submission	150
<b>8</b>	Selendy: chs. 21, 35 1 presentation 1 website	Short Essay 2 Final Exam	50 100
<b>TOTAL</b>			<b>1010</b>

DB = Discussion Board

**NOTE:** Each course week begins on Monday morning at 12:00 a.m. (ET) and ends on Sunday night at 11:59 p.m. (ET). The final week ends at 11:59 p.m. (ET) on Friday.