

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

HLTH 625

PREVENTION AND CONTROL OF INFECTIOUS DISEASES

COURSE DESCRIPTION

This course provides the student with the knowledge base necessary to understand the mechanisms of infectious disease transmission, to select specific preventive methodologies in the control of particular diseases and to communicate the rationale for the various control methods.

RATIONALE

Even in the 21st century, infectious diseases continue to be a concern. In recent years, a number of new infectious agents have emerged to join an array of old nemeses. Understanding the epidemiology of these diseases is essential to eliminating the suffering they cause.

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. Blackboard [recommended browsers](#)
- D. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

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

- A. Discuss the epidemiology of the major infectious diseases and their impact on global populations.
- B. Explain the role of infectious agents as causes of morbidity and mortality in the context of economically developing nations.
- C. Discuss vector-borne conditions.
- D. Discuss the appropriate use of antibiotics and other chemotherapeutic agents for the management of infectious diseases.
- E. Describe methodologies for infectious disease surveillance on a regional and global scale.
- F. Evaluate the scientific evidence for best practices in prevention of infectious diseases.
- G. Design infectious disease control strategies using evidence-based research.

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 provide a thread in response to the provided prompt for each forum. Each thread must be at least 500 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 250 words.

D. Journal Article Reviews (4)

The student will review 4 journal articles about a disease or topic found in the readings due in each of the even-numbered modules/weeks. The student will write a 4–5-page paper in current AMA format that summarizes the selected article and critiques the findings of the article. The paper must include at least 5 references in addition to the course textbooks and the Bible.

E. Reading Quizzes (8)

Each quiz will cover the Reading & Study material for the module/week in which it is assigned. Each quiz will be open-book/open-notes, contain 10 multiple-choice and 1 short essay question, and have a 1-hour time limit.

F. Service Project (1)

The student will choose an organization with a focus on global health, infectious diseases in general, and/or a specific infectious disease. Once selected, 8 hours of volunteer time will be devoted to the organization and the experience will be summarized and graded in one of the 4 discussion boards described in item ‘C’ above.

VI. COURSE GRADING AND POLICIES

A. Points

Course Requirements Checklist	10
Discussion Board Forums (4 at 70 pts ea)	280
Journal Article Reviews (4 at 100 pts ea)	400
Reading Quizzes (8 at 40 pts ea)	320
Service Project (1 graded as 70 pt DB assignment)	0
Total	1010

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 = 0–679

C. Disability Assistance

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

If you have a complaint related to disability discrimination or an accommodation that was not provided, you may contact ODAS or the Office of Equity and Compliance by phone at (434) 592-4999 or by email at equityandcompliance@liberty.edu. Click to see a full copy of Liberty’s [Discrimination, Harassment, and Sexual Misconduct Policy](#) or the [Student Disability Grievance Policy and Procedures](#).

VII. BIBLIOGRAPHY

Barry JM. *The Great Influenza: The Story of the Deadliest Pandemic in History*. Revised ed. New York, NY: Penguin Books; 2005.

Beltz LA. *Emerging Infectious Diseases: A Guide to Diseases, Infectious Agents, and Surveillance*. San Francisco, CA: Jossey-Bass; 2011.

Crosby MC. *The American Plague*. New York, NY: The Berkley Publishing Group; 2006.

Fenn EA. *Pox Americana: The Great Smallpox Epidemic of 1775-82*. New York, NY: Hill and Wang; 2001.

Meeker M. *Epidemic: How Teen Sex is Killing Our Kids*. Washington, DC: Lifeline Books; 2002.

Oshinsky DM. *Polio: An American Story*. Oxford, England, New York, NY: Oxford University Press; 2005.

Preston R. *The Hot Zone*. New York, NY: Anchor Books, Doubleday; 1994.

COURSE SCHEDULE

HLTH 625

Textbooks: Heymann, *Control of Communicable Diseases Manual* (2015).
Lopez et al., *Global Burden of Disease and Risk Factors* (2006).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Heymann: chs. 1–9 Lopez et al.: ch. 1 1 presentation 1 website	Course Requirements Checklist Class Introductions DB Forum 1 Reading Quiz 1	10 0 70 40
2	Heymann: Selected Readings Lopez et al.: chs. 2–3 1 presentation 1 website	Journal Article Review 1 Reading Quiz 2	100 40
3	Heymann: Selected Readings 1 presentation 1 website	DB Forum 2 Reading Quiz 3	70 40
4	Heymann: Selected Readings 1 presentation 1 website	Journal Article Review 2 Reading Quiz 4	100 40
5	Heymann: Selected Readings 1 presentation 1 website	DB Forum 3 Reading Quiz 5	70 40
6	Heymann: Selected Readings 1 presentation 1 website	Journal Article Review 3 Reading Quiz 6	100 40
7	Heymann: Selected Readings 1 presentation 1 website	DB Forum 4 Reading Quiz 7	70 40
8	Heymann: Selected Readings 1 presentation 1 website	Journal Article Review 4 Reading Quiz 8	100 40
TOTAL			1010

DB = Discussion Board

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