

MISSISSIPPI VALLEY STATE UNIVERSITY
Department of Natural Sciences & Environmental Health
Introduction to Environmental Health (EH200)

Instructor: Dr. Hattie B. Spencer

Class Days: MWF (Lecture) Location: Science & Technology Building

Time: 10:00-10:50 (Rm.2202)

Office Location: Science & Technology Building, #2219

Office Phone (662) 254-3391

Office Hours: MW 1-3 pm; T 9am-12pm; R 9am-12pm (By appointment only)

Email: hspencer@mvsu.edu

Required Textbook: Morgan, Monroe, Environmental Health, Thomson-Wadsworth Publishing Company, Belmont, CA. 3rd Edition

Additional Reading: Koren, Herman, and Michael Bisesi, Handbook of Environmental Health, Volume 1, 4th Edition, Lewis Publishers (MVSU Library)

Waite, Donald E., Environmental Health, 2002, Environmental Health Consultants (Publishers), Columbus, Ohio (MVSU Library)

Credit Hours: 3

Prerequisites: None

Course Description

Environmental Health not only covers the environmental sciences but also the human population. This text emphasizes the environmental practices that support human life as well as the need to control factors that are harmful to human life. Chapters focus on the requisites of life, water, air, food, space, and shelter. Chapters also address proper management of wastewater treatment, solid waste management, insect and rodent control and expertise to form the most comprehensive text available.

Course Objectives

1. To acquaint the student with the scientific and technical foundations of the field.
2. To give students a basic understanding of how environmental factors impact human health and environment as well as the community.
3. To help implement ways to prevent and minimize the effects of negative impacts.

Student Learning Outcomes

When student complete this course, they should be able to:

1. Understand the Fundamentals of Environmental Health
2. Understand Chronic and Communicable diseases and their effect on human population
3. Understand the importance of food protection and safety in the food industry
4. Understand the issues that surrounds Solid and Hazardous Waste Management

LECTURE OUTLINE (**Tentative)

Topics & Subtopics (<i>Italics</i>)	Week of:	Chapter	Exam & Quizzes
I. Syllabus Review	August 20 st		
World Population	August 22 nd & 24 th	1	Quiz 1
II. Fundamentals of Environmental Health	August 27,29,31 st	2	Ex. 1: Chapters 1 & 2
III. Chronic and Communicable Diseases	Sept. 5, 7 & 10 September 3rd (Labor Day)	3	Quiz 2 (3)
IV. Wastewater Treatment	Sept. 12, 14, & 17 Article I Due September 17th	4	
V. Solid and Hazardous Waste Management	Sept. 19, 21, & 24 th	5	Exam 2: Chapters 3 & 4
VI. Vectors and Their Control	September 26, 28 th & Oct. 1	6	Mid-Term Exam Chapters: 1-6
Mid-Term	October 1-5 (October 3rd)		
VII. Principle of Toxicology	Article II Due October 8,10, & 12	7	Quiz 3 (7)
VIII. Food Quality Control	October 15,17,19 th	8	
IX. Air Quality	October 22,24,26 th Article III Submit Research Topic	9	Exam 3 (7, 8 & 9)
X. Occupational Health	October 29,31 st November 2 nd	10	Submit Paper draft
XI. Environmental Safety	November 5,7 & 9 th	11	
XII. Radiological Health	Nov. 12,14,16 th	12	Quiz 4 (10,11)

Fall Break & Thanksgiving	November 19-23rd		
Environmental Laws & Organizations	November 26,28th	13	Submit Paper
	Week of Review		
Final Exams	December 3-7th		Comprehensive

***Please note that these dates and exams are tentative and scheduled to change at the instructor discretion. New dates and exam schedule will be given if changes occur.*

Grade Appeals:

Any student who believes that s/he has been graded unfairly, even after talking with me about the grade, may appeal that grade by following University procedures as explained in the Student Handbook. Please keep records of all graded assignments and make all appeals in writing with the proper documentation. It is the student's responsibility to prove that s/he has been graded unfairly.

Grade of Incomplete

Students should refer to the Undergraduate Catalog 2017-2019 for requirements to receiving a grade of "I" (Incomplete). Please note that this grade is given at the instructor's discretion, and not by the student's decision. In addition to the condition set by the University, I require that a request for an incomplete be in writing. This request should meet the conditions outline in the undergraduate catalog. A grade of a D or F received in a core course requires that the course must be repeated.

Conference Scheduling

All students should take advantage of the Instructor's office hours for conference (s) and when extra help is needed. When a student fails a quiz or exam (s), this should be an immediate office visit. Conference (s) can be scheduled by email. Grades reflect time and efforts a student place toward his/her education

CLASS ATTENDANCE: (SEE CLASS ATTENDANCE POLICY from the Mississippi Valley State Catalog) study. One hundred per cent (100%) punctual class attendance is expected of all students in all scheduled classes and activities. Instructor will keep attendance records and any absence for which a student does not provide written official excuse is counted as an unexcused absence. Students must understand that even with an official excuse of absence, a student is responsible for any work missed during absence.

Academic Integrity

All acts of academic dishonesty, including, but not limited to, cheating on exams, plagiarism, internet papers, paraphrasing internet papers, presenting someone else's work as your own, failing to meet academic and professional requirements, will result in an automatic "F " The University's academic honesty and plagiarism are enforced in this course (Student Handbook)

Services for Students with Disabilities (SSD)

Mississippi Valley State University is committed to providing reasonable accommodations for students with a documented disability. If you feel you are eligible to receive accommodations for a covered disability (medical, physical, psychiatric, learning, vision, hearing, etc.) and would like to request it for this course, you must be registered with the Services for Students with Disabilities (SSD) program administered by University College. It is recommended that you visit the Disabilities Office located inside the EMAP Computer Lab in the Technical Education(IT) Building to register for the program at the beginning of each semester.

For more information or to schedule an appointment, please contact Mr. Billy Benson, Jr. via phone or email at 662-254-3005 or billy.benson@mvsu.edu.

*******Note: This document does not constitute a contract with the University. It contains guidelines. Please be advised that the contents of this course syllabus are subject to changes at the discretion of the Instructor.***

Make –up Policy No make-up tests will be given except in cases of an immediate family member's death or grave personal illness. A valid excuse slip should be submitted upon return to class. Make-up tests and quizzes must be taken no later than the second-class meeting after the test date. If tests are not made up within the allotted time frame, the grade will become a zero. NO EXCEPTION.

Approximately four (~4) quizzes will be given during the semester. Quizzes will be given at the beginning of the class period. If a student is tardy, he/she will not be able to take the quiz without an excuse. The first quiz will become a drop grade at the end of the semester. However, if a student continues to be late during quizzes, he/she will receive a zero for the quiz.

Evaluation: Students assignments (articles) will not be accepted after the due date. Student must satisfactory complete all course requirements in order to receive a passing grade for the course. Please submit all assignments typed and double-spaced, font 12 point and Time Roman. **The articles should be three pages in length (These pages should not include bibliography or title page).**

Methods of Instruction: Lecture and class discussion

Classroom Technology

Computer and LCD projector

Use of Internet searches for up-to-date Public Health issues

Cell Phones

All cell phones must be turned off or in the vibration mode before entering class to avoid interrupting instructor and fellow students. Penalty will be assessed if student fails to comply.

CRITERIA FOR GRADING: % of Final Grade	Grading Scale	
<u>Test/Assignment</u>		
Periodic Tests (4)	40%	90-100% A
Final Exam (Comprehensive)	20%	80-89% B
Articles (3)	10%	70-79% C
Quizzes (~4)	10%	
Term Paper	20%	60-69% D
		Below 60% F

Analysis for Journal Articles (Critique)

1. Identify your article by title, author and source
2. Review the content of the article, summarize its main points. What is the problem/issue/argument that this article is reflecting.
3. Identify how this article relates to the field of public health, what area of public health it deals with and tell why the article may be of importance in the field. Relate the article to the chapters covered in class.
4. Articulate the meaning and thought you have derived from the article. Does it have any special importance to you or to a particular segment of society? Why? You must show that you have thought about the article. Do you question the results or conclusions that the article draws? Do you feel the article or the research it reports on was lacking in some way?
5. Please follow instructions and watch grammar, spelling, etc. Please proofread before submission.
6. Remember, late articles will not be accepted. Critiques are due at the beginning of class on the schedule date.
7. All articles should be font 12 point Time Roman

Note: In reviewing journal articles, it will demonstrate your ability to understand an article; to enhance your ability to critique an argument; to improve your ability to communicate your points in an academic fashion and to gain knowledge in the area of environmental health.

References:

You should have a total of at least 4 references

Two of your references must be journal articles, one of your references must be a book and the other reference may be from an internet source. The critique must conform to Kate Turabian/Chicago Style guidelines. Below are some guidelines for writing research paper. For more detail, you can go to the following URL:

<http://www.lib.berkeley.edu/instruct/guides/chicago-turabianstyle.pdf> Please remember, you must cite all work of the authors each time you make reference to them. If you have

not properly referenced the author, it may be considered as plagiarism. Please review student handbook on this matter.

Guideline for Writing Research Paper

Undergraduate level work is expected for all assignments. Students are to perform an in-depth research into a topic approved by the instructor before advancing to the next step.

- Length of Paper: 10 pages, (not including bibliography, title or table of content page)
- Structure
 - Title page
 - Table of contents
 - Introduction
(Graphs and tables should be placed in appendix)
 - Discussion
 - Conclusion
 - Bibliography

Style Guidelines

Minimum of 5 pages in length (not including bibliography or title page).

Typed, double spaced

1 inch margins all around (top, bottom and both sides)

Font size: 12-point Time Roman

Proofread and spell check paper

Please use a folder rather than a binder

You are encouraged to use the services of the Writing Center at MVSU for additional assistance. Please limit the use of internet material. I prefer that the majority of the information is retrieved from reference material such as journals, book, periodicals, etc.