

TOPICS IN ENVIRONMENTAL HEALTH ~ BIOLOGY 445
Spring 2012 ~ Surface and Groundwater Testing and Public Health
Thursday, 1:50-2:50pm

Instructors:	Reynee Kachur
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Office:	HS 121
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Office Phone:	424-7404
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Office Hours:	By appointment.
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Course Description:	<p>This course will be an introduction to the major methods and concepts regarding surface and groundwater testing and public health. The application of specific public health principles will be discussed in relation to the prevention of disease and promoting the health and safety of the public from drinking or recreational water supplies.</p> <p>The goal of this course is to give an overview of surface and groundwater sampling methods to prepare students for work on an environmental health project.</p>
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Required Materials:	<ul style="list-style-type: none">• Printouts from D2L.
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Grading Criteria:	Your final grade will be based on total points and will use the following criteria:
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Point Distribution	Points
Lecture/Lab Exam (1)	100 points
Quizzes (4) on D2L	40 points
Paperwork/Questions (5)	25 points
Attendance/Class Participation	35 points

Grading Scale:	Course Grades will be determined using the following scale (final grades may be "curved" depending on final class average using lab and lecture grades:
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A	94 – 100	C	77 – 79
A-	91 – 93	C-	74 – 76
B+	89 – 90	D+	71 – 73
B	86 – 88	D	68 – 70
B-	83 – 85	D-	65 – 67
C+	80 – 82	F	64 and below

Lab Attendance and Participation:	<ul style="list-style-type: none">• There are no make up lectures or labs. It is your responsibility to attend all scheduled course meetings and your grade will reflect your attendance.• Your participation grade will be based on your attendance as well as participation. You are required to participate in at least 5 discussions during the semester (1 credit per discussion). Participation consists of presenting your own thoughts and experiences to the class, <u>not</u> just by answering questions.
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Late Assignments:	<ul style="list-style-type: none">• No late assignments will be accepted. Late lab reports due to an emergency or illness must be approved by the instructor PRIOR to the due date. You will receive 10% off the assignment if it is turned in late.
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Academic Dishonesty:	If you are caught cheating or engage in other forms of academic dishonesty, you will receive an F on that assignment and be subject to the Student Academic Disciplinary Procedures as outlined in the Student Disciplinary Code (http://www.uwosh.edu/dean).
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TENTATIVE CLASS SCHEDULE – Subject to Change

Semester Week	Date	Topic		
1	Feb. 2	No class		
2	Feb. 9	No class		
3	Feb. 16	No class		
4	Feb. 23	No class		
5	March 1	Lecture: Class Syllabus, Introduce Bacteria in Water		
6	March 8	Lecture: Groundwater vs. Surface water Testing		
7	March 15	TBD - Lecture: Data and Paperwork		
8	March 22	SPRING BREAK – NO CLASS		
9	March 29	Lab: Well Sampling (bacteria and nitrate); Unknown		
10	April 5	Lab: Beach Sampling (at beach)		
		Vilas County TRH Students (Kachur)	Beach Students (Busse)	Door County Students (Nilay)
11	April 12	Lecture: Tourist Rooming House Inspections	Lecture: Beach Sanitary Surveys and sand sampling	Lecture/Lab: qPCR
12	April 19	Lab/Lecture: HealthSpace	Lab: Beach Sanitary Survey (at beach)	Lab: qPCR
13	April 26	Lab: HealthSpace and TRH inspections	Lab: Sand Sampling (at beach)	Lab: qPCR
14	May 3	Exam (On your own; Biology Department Halsey 142)		
15	May 10	No Class		