

**ONE HEALTH  
HCOL 185 C (CRN 91597)  
SYLLABUS  
3 credit hours  
FALL 2015**

**COURSE DESCRIPTION**

This is a second year Honors College Seminar. It focuses on the topic/theme of “One Health”. In 2007, the human health and animal health communities formally proposed the idea that issues of health (human, animal, environmental) should be viewed and studied in a holistic, interdisciplinary way. This idea was premised on the growing evidence that the relationship between human health, animal health and environmental health is undeniably linked. This seminar will allow students to learn about many examples of “one health” issues both historical and current, and discuss/reflect on how we societally have dealt and should deal with these issues. Students will also be expected to propose, both individually and collectively, innovative ways in which they feel “one health” challenges can best be met going forward. Pre/co-requisite: Second year Honors College standing.

**LEARNING OBJECTIVES**

At the completion of this course the student should be able to:

- Describe how the “one health” concept emerged
- Develop an understanding of how disease transmission between humans and animals can be bidirectional
- Develop an understanding of how ecological conditions can have an impact on both human and animal health
- Describe how multiple and varied disciplines may contribute to the study and practice of the field of “one health”
- Discuss examples, both historical and contemporary, of “one health” challenges.
- Propose both system and public policy changes which could help to address “one health” challenges

**SCHEDULED DAYS, TIME, ROOM**

Mondays, Wednesdays, and Fridays; 9:40 am – 10:30 am, University Heights North, Room 016.

**IMPORTANT DATES**

9/14/15: Add/Drop Deadline; 11/2/15: Withdrawal Deadline

**BLACKBOARD**

This course utilizes Blackboard. It is the responsibility of each student to regularly check Blackboard for all course announcements and other information related to assignments for this course. <https://bb.uvm.edu/webapps/portal/frameset.jsp>

## **ELECTRONIC COMMUNICATION**

The uvm.edu e-mail address that has been issued to all students is the official means by which the instructor will communicate with enrolled students during this semester. Students are responsible for checking all e-mails from the instructor sent to their University e-mail address. [http://www.uvm.edu/policies/student/student\\_email.pdf](http://www.uvm.edu/policies/student/student_email.pdf)

## **INSTRUCTOR**

Burton W Wilcke, Jr, PhD  
Office: 302 Rowell Building  
Office hours: By appointment

[burton.wilcke@uvm.edu](mailto:burton.wilcke@uvm.edu)  
Phone: 656-0525

## **READINGS**

Required readings will be posted on Blackboard. Readings will be linked to specific topics/themes. Students are expected to read and abstract all major points from the assigned readings before that specific topic is discussed in class. Additional subject-specific resources will be posted throughout the semester.

## **COURSE SCHEDULE (Subject to revision)**

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<b>Date</b>	<b>Topic</b>	<b>Readings (See Bb)</b>
8/31	Course introduction; meaning of term "One Health"	
9/2	Overview of various One Health topics	
9/4	Overview of various One Health topics (Cont'd)	
9/9	Historical review of One Health	
9/11	Research Group Work	
9/14	TBD	
9/16	Emerging Infectious Diseases	
9/18	Emerging Infectious Diseases(Cont'd)	
9/21	Pandemics	
9/23	Pandemics(Cont'd)	
9/25	Pandemics(Cont'd)	
9/28	Immunizations	

9/30	Immunizations(Cont'd)
10/2	Immunizations(Cont'd)
10/5	Disease Eradication
10/7	Disease Eradication(Cont'd)
10/9	Disease Eradication(Cont'd)
10/12	Bioterrorism
10/14	Bioterrorism(Cont'd)
10/16	Bioterrorism(Cont'd)
10/19	Agriculture Intensification
10/21	Agriculture Intensification(Cont'd)
10/23	Agriculture Intensification(Cont'd)
10/26	Loss of Pollinators
10/28	Loss of Pollinators(Cont'd)
10/30	Loss of Pollinators(Cont'd)
11/2	TBD
11/4	TBD
11/6	TBD
11/9	Pollution, air and water
11/11	Pollution, air and water(Cont'd)
11/13	TBD
11/16	Group 1 Presentation
11/18	TBD
11/20	Group 2 Presentation

11/23-27	Fall Recess
11/30	Book Report Due/Discussion
12/2	Group 3 Presentation
12/4	Group 4 Presentation
12/7	The Future of the One Health Movement
12/9	Wrap Up

### **COURSE REQUIREMENTS**

#### **CLASS ATTENDANCE AND PARTICIPATION: Regular attendance is required.**

Attendance will be taken routinely. *More than two unexcused absences will result in a grading penalty applied to the overall course grade.* The greater the number of absences, the greater the penalty. Excused absences may be granted for emergencies or for medical reasons with documentation. *Students must contact the instructor to request an excused absence.*

Participation is expected in all class discussions. Participation includes active and respectful listening. Students will be required to complete a periodic self-assessment summarizing their contributions to the classroom discussions. The quality and thoughtfulness of engagement is more important than simply the number of times one speaks.

**BOOK REPORT:** Each student is responsible for reading and writing a book report on the following book:

*Zoobiquity: What animals can teach us about health and the science of healing*, Barbara Natterson-Horowitz and Kathryn Bowers, Alfred A Knopf, New York, 2013.

The report will be due at 9:40 am on November 30, 2015. **Late reports will not be accepted.** Specific details will be put up on Bb. You should find this to be an enjoyable and informative “One Health” read.

**REFLECTION PAPERS:** Periodically students will be asked to write brief (1-2 pages) reflection papers on documentaries seen in class, guest talks, readings or other portions of the course as assigned. Some reflection papers will be graded simply S/U however about half of the papers will be graded formally. Students will be notified a head of time as to when reflection papers will formally count towards their grades.

**GROUP PROJECTS:** Students will be assigned to a project group. Early in the semester, we will match the student groups with their respective topics. Each group will be expected to:

1. Research the scientific and lay literature on the topic. (This will require subdividing the topic and assigning components of the project to each of the individual members of the group. The instructor will work with each group on this aspect.)
2. Identify at least three key articles for class readings.
3. Present the topic in a shared presentation format (The evaluation of the presentation will be both by the instructor and anonymously by your peers.)
4. Engage the class in discussion on the topic.

In addition, each participant will write up a synopsis (4-5 pages) of his/her portion of the project. Individual write-ups will be due on the date of the presentation. More details will be posted on Bb.

<b>GRADING:</b>	Class participation	20%
	Reflections	20%
	Group project	
	Presentation Grade	20%
	Individual paper	20%
	Book report	20%

**GRADING SCALE:** The following numerical scale will be used to assign letter grades.

90-92	A-	93-96	A	97-100	A+
80-82	B-	83-86	B	87-89	B+
70-72	C-	73-76	C	77-79	C+
60-62	D-	63-66	D	67-69	D+
<60	F				

**RELIGIOUS HOLIDAYS:** Students at UVM have the right to practice the religion of their choice. Those who wish to observe any religious holiday(s) during the semester must first submit a written request to me by 9/11/15. They will be given the opportunity to make up any class work missed as a result of a religious holiday observance.

**NAME USED IN CLASS:** The UVM class roster uses a student's legal name. Those who wish to be addressed by a different name just need to let me know via email so I can respect their preferences.

**CONDUCT IN CLASSROOM:** Students are expected to treat others with respect in the classroom. Those who engage in behavior that disrupts a classroom will be subject to disciplinary action under the Code of Student Rights & Responsibilities.

<http://www.uvm.edu/~uvmppg/ppg/student/studentcode.pdf>

Disruptive classroom conduct means engaging in behavior that substantially or repeatedly interrupts either the instructor's ability to teach or student learning.

ACADEMIC INTEGRITY: All academic work must conform to the Code of Academic Integrity. <http://www.uvm.edu/~uvmppg/ppg/student/acadintegrity.pdf> Violations may be in any of the following categories: plagiarism, fabrication, collusion or cheating. Any student, member of the University staff, or faculty is expected to report any perceived violation of this Code to the Center for Student Ethics and Standards. Charges will be heard by the Academic Integrity Council. Sanctions may range from a letter of warning to dismissal from the University.

CELL PHONES AND LAPTOPS: Cell phones ***must be turned off*** before entering the classroom. Laptops may be used in class for the ***sole*** purpose of taking notes or following class material on Blackboard. Students who use their computers for other purposes during class will be prohibited from further use of a computer in class for the remainder of the semester. The use of all other electronic devices is prohibited during class.

REASONABLE ACCOMODATIONS FOR LEARNING DISABILITIES: In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact ACCESS, the office of Disability Services on campus. ACCESS works with students and faculty to create reasonable and appropriate accommodations via an accommodation letter to professors with suggested accommodations as early as possible each semester. Contact ACCESS: A170 Living/Learning Center; 802-656-7753; [access@uvm.edu](mailto:access@uvm.edu); or [www.uvm.edu/access](http://www.uvm.edu/access).