Dr. Cates called the meeting to order at 10:33 AM. There was a quorum present.

1. **Approval of Minutes.** The minutes from the December meeting were approved and will be posted as distributed.

2. **Program Director’s Report.** Dr. Cates provided a status of the program update and his activities (Attachment 1). There was a discussion about the items he discussed.

3. **Items of Business:**

   a. **CEPH Interim Report.** The group discussed at length the possibilities put forward to resolve CEPH concerns about the core course in environmental health sciences. As a reminder, Dr. Cates pointed out that the interim report must provide evidence that the program has “broadened and increased the content of the environmental health sciences core course, beyond the scope of environmental toxicology, to also include sufficient knowledge of biological and physical factors that affect the health of a community.”

   The focus of discussion was on the new proposed 3-hour course, MPH/DMP 706 - Environmental Health, to be taught by Dr. Thu Annelise Nguyen (Attachment 2). The group reviewed the proposed syllabus and made suggestions.

   The paperwork for the new course is in Dr. Chengappa’s office to start the approval process at the department and college level. The paperwork to add the new course to the MPH core curriculum can go through the approval steps concurrently with approval of the new course.
A motion was made and seconded that MPH/DMP 706 replace MPH/DMP 806 as a core course starting Fall 2015 for AY 2016 and going forward. Also, the adoption of this course would not add to the credit hours required for an MPH degree; it would remain at 42. Adopting this course would just eliminate one credit hour required for each area of emphasis. Students may take more than the 42 credit hours required.

b. **Curriculum change regarding MPH/DMP 806, Environmental Toxicology (2 hours).**

Dr. van der Merwe discussed the future of MPH/DMP 806 once MPH/DMP 706 is approved and being taught. He stated that his plan was to have the course focus entirely on Environmental Toxicology and be offered on campus/in class only.

The group discussed and approved adding MPH/DMP 806 to the IDZ area of emphasis as an optional course in the grouping for Environmental/Ecological Influences.

Dr. van der Merwe requested that the MPH Program Office send an e-mail to students currently enrolled in MPH/DMP 806 about the possibility of MPH/DMP 706 in case they wanted to wait and take MPH/DMP 706. Dr. Cates said he would do that.

Dr. van der Merwe commented that since he would no longer be teaching a core course that his involvement with the MPH Faculty Advisory Council may change. Dr. Cates reminded the group that the Council is made up of primary faculty from each area of emphasis plus core faculty instructors. MPH Primary Faculty are designated as such by their respective department heads and 50% of their faculty appointment needs to be in public health (any combination of teaching, research, service and/or administration). If Dr. van der Merwe continues to be a primary faculty member for IDZ, he could remain on the Council.

c. **Curriculum change regarding DMP 710 – Introduction to One Health (Attachment 3).**

The MPH curriculum review committee suggested last month that DMP 710 be added to the IDZ emphasis area curriculum. After discussion by the group concerning the merits of making DMP 710 a required course vs an elective course for IDZ students and to what competency grouping it would be added (probably group #3), it was decided to table the issue and that Dr. Cates would hold a meeting with all IDZ MPH faculty members for their input before the February 11 meeting of this Council so that the correct course of action could be determined.

d. **Course and Curriculum Change paperwork.** The MPH Program office will prepare the paperwork required to add MPH/DMP 706 to the core requirements and add MPH/DMP 806 and DMP 710 to the IDZ emphasis area listing of courses. FSB primary faculty will consider adding DMP 710 to their list of elective courses.

e. **Faculty Incentives.** There was a brief discussion of the possible use of the line item in the MPH budget of ($45,000) identified as faculty incentives. At this point, the Dean of Veterinary Medicine has put no restrictions on the use of the money, but there is no guarantee that the money will be available going forward.

Possible ideas mentioned included:
- Distributions to primary faculty and/or core course instructors;
- Distributions to restricted fee accounts of major professors and committee members of MPH graduates this FY;
Minutes

- Pay for public health speaker during Public Health Week in the spring;
- Provide funding for MPH faculty to improve current MPH courses or develop new ones;
- Work with library to add required textbooks to be used by MPH students.

4. Future Meetings: Below is a list of future meetings (all scheduled to begin at 10:30 am).

<table>
<thead>
<tr>
<th>Date</th>
<th>Location/Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 11, 2015</td>
<td>Coles, Rm 343</td>
</tr>
<tr>
<td>March 11, 2015</td>
<td>Union, Rm 209</td>
</tr>
<tr>
<td>April 8, 2015</td>
<td>Coles, Rm 343</td>
</tr>
<tr>
<td>May 13, 2015</td>
<td>Union, Rm 209</td>
</tr>
<tr>
<td>June 10, 2015</td>
<td>Coles, Rm 343</td>
</tr>
</tbody>
</table>

The meeting adjourned at 12:10 PM.
Orientation and Group Counseling for MPH students scheduled for Friday, January 16, 2015 in Trotter 301.

Submission of CEPH Interim Report due April 28, 2015. Plan is to have draft available for Faculty Advisory Council review by February 27, for Executive Council review by March 16, and for Provost's review by March 27.

Feedback from CEPH on curricular options, for environmental health core requirements:
(1) Changes to MPH 806 are still most likely not enough to satisfy council concerns;
(2) Addition of DMP 710 as core course could possibly help satisfy the council concerns;
(3) Addition of environmental health-related matters in other core courses (e.g. MPH 818) could potentially satisfy the concerns for environmental health, but risks creating a new deficiency in another core area.

Dr. Annelise Nguyen (DMP and MPH faculty member) has proposed a new 3 credit hour course for fall semesters, DMP / MPH 706, Environmental Health, to possibly replace MPH 806 as an MPH core course. Dr. van der Merwe would then continue offering DMP 806 as a course in spring semesters, and it could serve as an additional course in the Infectious Diseases/Zoonoses curriculum (e.g., under the Environmental/Ecological Influences Group).
Course Syllabus

DMP 706 / MPH 706
Environmental Health

Instruction: Dr. Thu Annalise Nguyen
Associate Professor
Diagnostic Medicine / Pathobiology
College of Veterinary Medicine
Kansas State University
Manhattan, KS 66506
Phone: 785-532-4429
Email: tnguyen@vet.k-state.edu

Office Hours: By appointment

Meeting Time: This is a three-credit graduate-level course consisting of a 3-hour meeting per week.

Lectures: Wednesday from 9:00 a.m. to 11:45 a.m. in Coles Hall, Room 343

The first class meets on Wednesday, August 26, 2015; last class meets on Wednesday, December 9, 2015

Course Description: This course provides a broad overview of some of the most important and current challenges to human health from the environment as well as teaching the basic concepts and skills to assess, control, and prevent these challenges in environmental health. Topics of lectures include agent-host-environment triad and its impact as a determinant of population health. Students are introduced to factors that impact on air, water, land and climate in the macro environment, in specific contexts such as homes, workplaces, and consumer products, and in natural and man-made disasters. Students will be exposed to professional practice of environmental sciences, epidemiology, toxicology, occupational health and industrial hygiene, and consumer health and safety. Topics include the methods for defining environmental contamination; identifying contaminants, pathogens and toxins; assessing risks and causality; determining health impact; ameliorating hazards; and protecting the population through waste management, regulatory programs, environmental inspections, food and product safety, and environmental policy. Includes interaction with professionals in public health practice.

Course Objectives: By completing the class assignments, through participation and by completing the readings, the student will be able to:
<table>
<thead>
<tr>
<th>Learning Outcomes</th>
<th>Course Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recognize major public health issues for populations on a social, community, and global scale.</td>
<td>Describe environmental risk factors that affect both personal and population health. Recognize the importance of key events and milestones in the history and development of environmental health. Identify pesticides and other organic compounds, and how they influence population health.</td>
</tr>
<tr>
<td>Describe multidisciplinary and ecological public health issues and concerns.</td>
<td>Gain knowledge and understanding of the multiple determinants of health with emphasis on impacts of environmental contaminants.</td>
</tr>
<tr>
<td>Discuss lifestyle behaviors that promote individual and population health and well-being.</td>
<td>Describe risk factors and modes of transmission for diseases that result from pollutants in the environment. Gain awareness of lifestyle behaviors that can reduce exposure to environmental contaminants.</td>
</tr>
<tr>
<td>Apply multidisciplinary strategies and interventions in addressing public health issues.</td>
<td>Outline approaches for assessing and controlling environmental hazards that affect population health. Discuss the interconnectedness among the physical, social, and environmental aspects of community health. Describe how the methods of epidemiology and surveillance are used to safeguard the population’s health against hazards in air, water, food, and solid/liquid waste. Gain knowledge of how environmental health sciences, epidemiology and toxicology can help address and protect safety of populations, including consumers and workers.</td>
</tr>
<tr>
<td>Apply concepts of planning and management in public health programs.</td>
<td>Identify key laws and regulations for addressing issues related to environmental health. Explain how the organizational structure, financing, and delivery of personal health care and environmental health services impact population health.</td>
</tr>
<tr>
<td>Integrate and apply knowledge, skills, and principles for health improvement.</td>
<td>Assess the source and quality of environmental health information and data, as related to individual and population health.</td>
</tr>
</tbody>
</table>
Course content:

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Time</th>
<th>Topic</th>
<th>Instructor</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>8/26</td>
<td>9:00-10:15</td>
<td>Introduction</td>
<td>Dr. Nguyen</td>
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<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Env. Health Examples</td>
<td>Dr. Nguyen</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>9/2</td>
<td>9:00-10:15</td>
<td>Env. Epidemiology</td>
<td>Guest Speaker</td>
<td>Ch.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td>Dr. Nguyen</td>
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<tr>
<td>3.</td>
<td>9/9</td>
<td>9:00-10:15</td>
<td>Toxins in the Env.</td>
<td>Dr. Nguyen</td>
<td>Quiz 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td>from CDC</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>9/16</td>
<td>9:00-10:15</td>
<td>Env. Policy and Regulation</td>
<td>Guest Speaker</td>
<td>Ch.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td>from EPA</td>
<td></td>
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<tr>
<td>5.</td>
<td>9/23</td>
<td>9:00-10:15</td>
<td>Agents of Env. Disease (Zoonotic)</td>
<td>Dr. Colanstaedt</td>
<td>Ch.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td>from USDA</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>9/30</td>
<td>9:00-10:15</td>
<td>Agents of environmental disease</td>
<td>Dr. Nguyen</td>
<td>Quiz 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Toxic metals and elements</td>
<td></td>
<td>Ch.5</td>
</tr>
<tr>
<td>7.</td>
<td>10/7</td>
<td>9:00-10:15</td>
<td>Agents of Env. Disease (Pesticides)</td>
<td>Dr. Nguyen</td>
<td>Ch.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
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<tr>
<td>8.</td>
<td>10/14</td>
<td>9:00-10:15</td>
<td>Mid-semester examination</td>
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<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td>Dr. Nguyen</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>10/21</td>
<td>9:00-10:15</td>
<td>Agents of Env. Disease (Ionizing)</td>
<td>Mr. Ron Bridges</td>
<td>Quiz 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td></td>
<td>Ch.4</td>
</tr>
<tr>
<td>10.</td>
<td>10/28</td>
<td>9:00-10:15</td>
<td>Air/Water Quality, Solid/Liquid Waste</td>
<td>Guest Speaker</td>
<td>Ch.7</td>
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<tr>
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<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
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<tr>
<td>11.</td>
<td>11/4</td>
<td>9:00-10:15</td>
<td>Food Safety</td>
<td>Dr. Nutsch</td>
<td>Ch.6</td>
</tr>
<tr>
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<td>10:30-11:45</td>
<td>Class Discussion</td>
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<tr>
<td>12.</td>
<td>11/11</td>
<td>9:00-10:15</td>
<td>Occupational Health</td>
<td>Mr. Ron Bridges</td>
<td>Ch.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td></td>
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<tr>
<td>13.</td>
<td>11/18</td>
<td>9:00-10:15</td>
<td>Managing Env. Risks to Promote Population</td>
<td>Guest Speaker from</td>
<td>Quiz 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td>Alliance</td>
<td>Ch.4</td>
</tr>
<tr>
<td>14.</td>
<td>12/2</td>
<td>9:00-10:15</td>
<td>Case Study of Health and Occupation Safety</td>
<td>Guest Speaker from</td>
<td>Ch.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
<td>JCDHE</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>12/9</td>
<td>9:00-10:15</td>
<td>Student Presentation</td>
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<tr>
<td></td>
<td></td>
<td>10:30-11:45</td>
<td>Class Discussion</td>
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<tr>
<td>16.</td>
<td>12/17</td>
<td>Thursday</td>
<td>Final Exam</td>
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</tbody>
</table>

Prerequisites: None

Course Grades: The graded assignments and the percentages of the student’s grade they will constitute are the following:
Attachment 2 – MPH/DMP 702 – Environmental Health

Quizzes (four) 20%
Mid-semester examination 30%
Class participation 10%
Presentation 10%
Final examination 30%

Symbol assignment: 90-100%. A; 75-89%. B; 65-74%. C; 55-64%. D; <55%. F

Required Text:
Author: Maxwell
Title: Understanding Environmental Health, Second Edition
ISBN: 9781449665371

A listing with readings from published papers will be provided in class or online.

Course Notices:

Attendance is required at all classes and only university-approved excuses will be accepted.

No make-up examination will be provided for students who miss the examination due to non-university excused absence. Student missing an examination for a non-university excused absence will received 0 points.

It is both professional and courteous to come to class on time. Entering the classroom after the beginning of class is disruptive to your classmates. All cellular telephones and mobile pagers must be turned off during class time. Text messaging or playing computer games during class is unacceptable behavior.

Scholastic dishonesty, in any form, will not be tolerated. This means no cheating of any kind. Scholastic dishonesty includes, but is not limited to, looking at the exam sheet of a classmate (with or without their permission).

All student activities in the University, including this course, are governed by the Student Judicial Conduct Code as outlined in the Student Governing Association By Laws, Article VI, Section 3, number 2.

Kansas State University has an Honor System based on personal integrity, which is presumed to be sufficient assurance that, in academic matters, one's work is performed honestly and without unauthorized assistance. Undergraduate and graduate students, by registration, acknowledge the jurisdiction of the Honor System. The policies and procedures of the Honor System apply to all full and part-time students enrolled in undergraduate and graduate courses on-campus, off-campus, and via distance learning. The honor system website can be reached via the following URL: www.ksu.edu/honor. A component vital to the Honor System is the inclusion of the Honor Pledge which applies to all assignments, examinations, or other course work undertaken by students. The Honor Pledge is implied, whether or not it is stated: "On my honor, as a student, I have neither given nor received unauthorized aid on this academic work." A grade of XF can
result from a breach of academic honesty. The F indicates failure in the course; the X indicates the reason is an Honor Pledge violation.

Any student with a disability who needs assistance in this course should contact Disability Support Services (http://www.k-state.edu/dss), and inform the instructors of arrangements that must be made to accommodate special needs.
Introduction to One Health

Syllabus

Course Number: DMP 710 - OA
Class Number: 17263
Course Credits: 2 credit hours

K-State Online (KSOL) Website for Course Materials: http://public.online.ksu.edu/

Instructor Information: Paige Adams, DVM, Ph.D.
K-State Olathe
22201 W. Innovation Dr.
Room 170A
Olathe, KS 66061
Office phone: (913) 307-7367
apadams@vet.k-state.edu
Class hours are by appointment only.

Course Description: "One Health" encompasses the complex interrelationships among humans and animals, humans and the environment, and animals and the environment. This course provides a broad-based introduction to One Health, incorporating in person lectures, original videos of leading subject matter experts and researchers, case studies, and scientific readings. It addresses zoonotic diseases (those that may be transferred between humans and animals) and environmental issues that impact human, animal, and ecosystem health. Topics include disease surveillance, the human-animal bond, the built environment, disaster response, sanitation, rural/suburban/urban interface, and food safety and security.

Prerequisites: Two courses in the biological sciences

Course Format: This is a hybrid course led by the instructor, involving a combination of in-person class meetings (that can also be accessed remotely via Zoom) and online coursework assignments. Lecture videos, selected reference materials, reading assignments, and classroom assignments (including Discussion Questions) will be available to the students on K-State Online. The class will meet in person every Thursday from 4:00 pm to 5:30 pm in Room 222B at K-State Olathe.


Course Learning Objectives

1. Become familiar with the One Health concept and the respective interrelationships among human health, animal health, and environmental health
2. Identify diseases with zoonotic potential and their routes of transmission
3. Define the role of One Health in food safety and defense
Attachment 3 – DMP 710 – Introduction to One Health

4. Demonstrate how a variety of natural and human-made environmental issues influence human health, and how communities impact the environment
5. Demonstrate how a variety of natural and human-made environmental issues affect animal health, and how animal populations affect the environment
6. Identify issues of society and nature that exemplify One Health and describe methods by which these may be addressed

Overall Structure

I. Introduction: The concepts and practices of One Health
II. Relationships among humans and animals
III. Relationships among humans and the environment
IV. Relationships among animals and the environment
V. Applied research case analysis for a term project

The Basic Concept of One Health:

Grades

Discussion questions (3 x 5%) = 15%
Quizzes (3 x 15%) = 45%
Case analysis papers (2 x 10%) = 20%
Final case analysis paper (Term Paper) = 20%

A = 90 – 100%
B = 80 – 89.9%
C = 70 – 79.9%
D = 60 – 69.9%
F = 0 – 59.9%
Late Assignments
1. Discussion questions may not be completed late due to their interactive nature.
2. All other late assignments will have a 10% deduction off the total score for each day that
   the assignment is late.
3. If you need extra time to complete assignments, contact me as early as possible. I
   understand that you have busy lives outside of this course, and in most cases, I am happy
   to schedule new due dates. I will generally not grant last minute requests or requests
   after the due date has passed.

Extra Credit
There is no extra credit offered in this course. There are no exceptions.
Course Schedule

I. Introduction (1 week)

Week 1: Introduction to One Health (Jan. 20-23, 2015)
1. In class: Review the K-State online resources
2. In class: Review the syllabus
3. Post your profile (optional) (See Week 1 outline for more info)
4. Post your self-introduction in the Message Board (See Week 1 outline for more info)
5. In class lecture: Introduction to Microbiology
6. In class lecture: Introduction to Disease Models
7. Reading: Chapter 1, The Convergence of Human and Animal Medicine, pp. 1-6
8. Video: One Health – Dr. Laura Kahn (Time: 20:22)
9. Video: The Role of a Public Health Officer – Dr. Ingrid Garrison (Time: 3:41)
11. Reading: Chapter 2, Legal and Ethical Issues in Human-Animal Medicine, pp. 7-11
12. Reading: Chapter 3, Establishing a New Approach to Clinical Health History, pp. 12-17

II. Relationships among Humans and Animals (5 weeks)

1. Reading: Chapter 5, Psychosocial and Therapeutic Aspects of Human-Animal Interaction, pp. 24-36
2. Video: Human-Animal Bond – Dr. Deb Sellers (Time: 10:34)
3. In class lecture: Role of Globalization in Emerging Diseases
4. Video: Introduction to Global Public Health – Dr. Deborah Briggs (Time: 8:57)
5. Video: Long Term Challenges in Global Public Health – Dr. Deborah Briggs (Time: 10:59)
6. Video: Sustaining Global Surveillance and Response to Emerging Diseases (Committee on Achieving Sustainable Global Capacity for Surveillance and Response to Emerging Diseases of Zoonotic Origin) – The Institute of Medicine and the National Research Council (Time: 7:05)
7. In class lecture: Comparative Medicine

Week 3: Zoonotic Diseases – Routes of Transmission (Feb. 2-6, 2015)
1. Reading: Chapter 9, Zoonoses (reference only), pp. 105-298
2. Reading: Chapter 10, Infectious Diseases Scenarios, pp. 299-330
3. In class lecture: Zoonotic Diseases 1: Routes of Transmission
4. Video: Be Aware of Diseases you and your Pet can Share – Dr. Susan Nelson (Time: 5:01)
5. Video: Leptospirosis – Dr. Kate KuKanich (Time: 6:37)
Attachment 3 – DMP 710 – Introduction to One Health


Week 4: Zoonotic Diseases – Vector-borne Diseases and Sentinel Animals (Feb. 9-13, 2015)
1. In class lecture: Zoonotic Diseases 2: Vector-borne Diseases
2. Video: Ehrlichiosis and Anaplasmosis – Dr. Roman Ganta (Time: 21:57)
3. Video: West Nile Virus – Dr. Bonnie Rush (Time: 15:54)
4. Reading: Chapter 4, Sentinel Disease Signs and Symptoms, pp. 18-23
5. In class lecture: Animals as Sentinels
6. Assignment: Discussion Questions 1

Week 5: Zoonotic Diseases – Foodborne Illness (Feb. 16-20, 2015)
1. Reading: Chapter 11, Foodborne Illness, pp. 331-342
2. In class lecture: Zoonotic Diseases 3: Foodborne Diseases
3. Video: Shiga-Toxin Producing E. coli – Dr. T.G. Nagaraja (Time: 20:15)
4. Assignment: Case Study Analysis 1 (Due Feb. 20, 2015)

1. In class lecture: Food Safety, Defense, and Security
2. Video: Food Safety – Dr. Doug Powell (Time: 09:09)
3. Video: Antibiotic Residues – Dr. Mike Apley (Time: 15:34)
4. Video: Milk Safety – Dr. Karen Schmidt (Time: 15:40)
5. Video: Safe Meat Processing – Dr. Elizabeth Boyle (Time: 21:08)
6. Assignment: Quiz 1

III. Relationships among Humans and the Environment (4 weeks)

Week 7: The Built Environment Disease Concerns (March 2-6, 2015)
1. Reading: Chapter 6, The Built Environment and Indoor Air Quality, pp. 37-42
2. Reading: Chapter 8, Toxic Exposures, pp. 50-78 (First half of chapter)
3. In class lecture: Built Environment Disease Concerns
4. Video: Indoor Air Quality – Mr. Bruce Snead (Time: 24:11)
5. Video: Lead Poisoning – Dr. Ingrid Garrison (Time: 1:56)

Week 8: The Natural Environment Disease Concerns (March 9-13, 2015)
1. Reading: Chapter 7, Allergic Conditions, pp. 43-49
2. Reading: Chapter 8, Toxic Exposures, pp. 79-104 (second half of chapter)
3. In class lecture: Natural Environment Disease Concerns
4. Video: Blue-Green Algae – Dr. Deon van der Merwe (Time: 15:48)
Attachment 3 – DMP 710 – Introduction to One Health

5. Video: Heavy Metal and Trace Mineral Toxicity – Dr. Saugata Datta (Time approximately 23:00)
6. Video: Heavy Metals and Trace Minerals in the Environment – Dr. Saugata Datta (Time approximately 24:00)

Student Holiday: March 16-20, 2015

   1. In class lecture: Built Environment Effects on Physical Activity, Health, and Safety
   3. Video: Design of Homes for the Human Life Span – Associate Prof. Migette Kaup (Time: 15:33)
   5. Assignment: Discussion Questions 2

Week 10: Multiple and Reciprocal Levels of Human-Environment Interaction (March 30-April 3, 2015)
   1. Reading: Chapter 12, Occupational Health of Animal Workers, 343-371
   2. In class lecture: Multiple and Reciprocal Levels of Human-Environment Interaction
   3. Video: Maintaining Human Health in Short-Term Concentrations of People – Dr. Paul Benne (Time: 23:03)
   4. Video: Rocky Mountain Spotted Fever – Dr. Kate KuKanich (Time: 9:34)
   5. Assignment: Quiz 2

IV. Relationships among Animals and the Environment (4 weeks)

Week 11: Animals in the Built Environment (April 6-10, 2015)
   1. In class lecture: Animals and the Built Environment
   3. Video: Exercising with Pets – Dr. Susan Nelson (Time: 2:18)
   4. Video: Lead Toxicity in Livestock – Dr. Deon van der Merwe (Time: 15:11)
   5. Assignment: Case Study Analysis 2 (Due April 10, 2015)

Week 12: Wildlife Habitat Encroachment / Introduction of Non-Native Species (April 13-17, 2015)
   1. In class lecture: Wildlife Habitat Encroachment
   2. Video: Wildlife Encroachment – Dr. Sam Wisely (Time: 15:45)
   3. In class lecture: Introduction of Non-Native Species
   4. Video: Invasive Species – Dr. Kim With (Time: 27:15)
   5. Assignment: Discussion Questions 3

Week 13: Climate Change and Effects on Animals / Animal Disaster Management (April 20-24, 2015)
Attachment 3 – DMP 710 – Introduction to One Health

1. In class lecture: Climate Change and Effects on Animals
2. Reading: Chapter 13, Public health and Human-Animal Medicine, pp. 372-383
3. In class lecture: Animal Disaster Management
4. Video: Pets in Disasters – Dr. Christen Skaer (Time: 14:58)
5. Video: Livestock in Disasters – Dr. Tarrie Crnic (Time: 14:13)
6. Video: “Sampling Crab Larvae in the Gulf of Mexico” - Gulf Oil Spill - Dr. Marco Kaltofen, Civil and Environmental Engineer, Boston Chem Data Corp. (Time: 02:36)

Week 14: Bio- and Agro-Terrorism (April 27-May 1, 2015)
1. In class lecture: Bio- and Agro-Terrorism
4. In class lecture: Risk Communication
5. Assignment: Quiz 3

V. One Health Case Analysis / Research Paper Term Project (2 weeks)

Week 15: Term Paper (May 4-8, 2015)
1. Submit references by 11:59 p.m. on May 7, 2015
2. Work independently

Finals Week: Term Paper Submission (May 11-15, 2015)
• Due by 11:59 p.m. on Friday, May 15, 2015
Kansas State University Policies

1. **Statement Regarding Academic Honesty**

   Kansas State University has an Honor System based on personal integrity, which is presumed to be sufficient assurance that, in academic matters, one’s work is performed honestly and without unauthorized assistance. Undergraduate and graduate students, by registration, acknowledge the jurisdiction of the Honor System. The policies and procedures of the Honor System apply to all full and part-time students enrolled in undergraduate and graduate courses on-campus, off-campus, and via distance learning. The honor system website can be reached via the following URL: [www.k-state.edu/honor](http://www.k-state.edu/honor). A component vital to the Honor System is the inclusion of the Honor Pledge which applies to all assignments, examinations, or other course work undertaken by students. The Honor Pledge is implied, whether or not it is stated: "On my honor, as a student, I have neither given nor received unauthorized aid on this academic work." A grade of XF can result from a breach of academic honesty. The F indicates failure in the course; the X indicates the reason is an Honor Pledge violation.

   For more information, visit the Honor & Integrity System home web page at: [http://www.ksu.edu/honor](http://www.ksu.edu/honor)

2. **Statement Regarding Students with Disabilities**

   Students with disabilities who need classroom accommodations, access to technology, or information about emergency building/campus evacuation processes should contact the Student Access Center and/or their instructor. Services are available to students with a wide range of disabilities including, but not limited to, physical disabilities, medical conditions, learning disabilities, attention deficit disorder, depression, and anxiety. If you are a student enrolled in campus/online courses through the Manhattan or Olathe campuses, contact the Student Access Center at [accesscenter@k-state.edu](mailto:accesscenter@k-state.edu), 785-532-6441; for Salina campus, contact the Academic and Career Advising Center at [acac@k-state.edu](mailto:acac@k-state.edu), 785-826-2649.

3. **Statement Defining Expectations for Classroom Conduct**

   All student activities in the University, including this course, are governed by the Student Judicial Conduct Code as outlined in the Student Governing Association By Laws, Article V, Section 3, number 2. Students who engage in behavior that disrupts the learning environment may be asked to leave the class.

4. **Statement for Copyright Notification**

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