

**K-State MPH Executive Council Meeting**  
**Location: Heritage Room, 233 Weber Hall**  
**March 30 at 10:30 AM**  
**Minutes**

In attendance: Harms (KIN); Haub (FNDH); Odde (AS&I); Spooner (BIOL); Mulcahy (MPH)

Absent: Mosier (DMP), Davis (CS), Gadbury (STAT)

1. Call to Order. Dr. Mulcahy called the meeting to order at 10.35 AM. There was a quorum present.
2. Approval of minutes. Minutes were approved from the September 28, 2016 meeting.
3. Old Business: None
4. New Business:
  - a. Reviewed Program Director's Report (Attachment 1).
  - b. Student Update: (reviewed Progress Chart)

<b>Emphasis Area</b>	<b># of Continuing Students</b>	<b># Started AY 2017</b>	<b># Admitted for AY 2018</b>	<b># Needing POS (Students at 9 hours or more)</b>	<b># Marked Inactive*</b>	<b># Eligible for Graduation</b>
Certificate Only	20	12			1	
Food Safety	7	2		4	1	2
Infectious Diseases	43	11	5	16	11	8
Public Health Nutrition	14	4	2	4	1	8
Public Health Physical Activity	12	8	1	8	1	3
Total	96	37	8	32	15	21

\*Reasons for being marked as inactive: K-State e-mail turned off and no other contact information, no response to repeated e-mails and phone calls, e-mailed MPH office saying they were going in a different direction, or not enrolled in any classes for the last 2 to 4 years.

- c. Reviewed the Spring 2017 list of students graduating (to date) (Attachment 2).
- d. Reviewed Course and Curriculum Items
  - PHPA update. Grad Council review on 2-17-2017; Faculty Senate Executive Committee on 2-28; Faculty Senate on 3-14. Approval effective Fall 2017.
  - Additions to IDZ curriculum (Attachment 3):
    - Grouping 2 Host response to pathogens/immunology: DMP 880 Problems in Pathobiology for topics, such as Zoonotic Pathogens in the Food Chain.
    - Grouping 5 Effective communication: AAI 801 Interdisciplinary Process (Olathe course).
    - Will be effective Spring 2018.

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- e. Discussed the new Criteria for CEPH new criteria for CEPH <http://ceph.org/assets/2016.Criteria.pdf> (Attachment 4). CEPH training for upcoming Accreditation visit in Spring 2019 is scheduled for August 3 & 4, 2017.
- f. Next Meeting: TBA Fall 2017 Semester
- g. Adjourn: Dr. Mulcahy adjourned the meeting to order at 11.30 AM.

## Attachment 1 – MPH Director’s Report

### New CEPH Criteria

- New criteria released for next accreditation
- Self-study report due Fall 2018
- Site visit Spring 2019
- Several new criteria will require collection of new data, documentation
- Training conference August 3-4 2017

<http://ceph.org/assets/2016.Criteria.pdf>

2/10/2017

### Grant Proposals & Synergy

- Extension (KSRE) - Policy, Systems, Environmental change and Health Ambassador training program
- Member of Advisory board for Riley County Health Department, Kansas Public Health Workforce group, Academic Public health department group, Strategic planning for Riley County Health Department, Manhattan Area Technical College advisory board (biotechnology, risk reduction), Flint Hills Wellness Coalition advisory board.
- Kansas Health Foundation (KHF, funded); will fund up to 4 students for field experiences with Saline county health department, will begin May 17.
- USDA/NIFA (submitted); proposal to fund MPH student stipends.
- Collaborating with International Programs/Keith Hamilton for international & One Health opportunities for MPH students.

2/10/2017

### Current Core Course Scheduling

		Fall 17	Spring 18	Summer 17
Fundamental Methods of Biostatistics	MPH 701	on campus	online	
Environmental Health	MPH 802	on campus		
Introduction to Epidemiology	MPH 754	online		
Administration of Health Care Organizations	MPH 720	online	on campus	online
Social and Behavioral Bases of Public Health	MPH 818		online	

### Public Health Week/Month Activities

- During the week, students pick up magnet at MPH Office (Trotter); Kinesiology Office (Natatorium) or Food, Nutrition, Dietetics & Health Office (Justin) and post it on something/location that represents Public Health, take a picture and post it to #ksumph.
- April 6: [BugAPalooza](#) at Wefald Pavilion in City Park sponsored by Riley County Health Department and the K-State MPH Program, 3:00 - 7:00 PM. Activities include: K-State Insect Zoo, Tdap Vaccinations available, Poster Contest and "Build A Bug" contest for grade school children
- Poster Competition sponsored in cooperation with [BioKansas](#).
- April 12: [Olathe Lecture by Dr. Mulcahy](#) "One Health and Public Health: An Update"
- April 18 & 19: [The APHA Region VII \(MINK\) 2017 Annual Meeting will be at the University of Kansas Edwards Campus](#) -- 1260 S Quivira Road, Overland Park
- April 20: co-host lecture with Hale Library – Dr. Renaisa Anthony from UNMC, Health Disparity and Health Equity for National Minority Health Month
- April 25-27: [Kansas Governor's Public Health Conference](#) in Manhattan. Will pay for MPH students to attend.

## Attachment 2 – Spring 2017 MPH Graduates

Ct	Student	Start	Yrs in Program	Major Professor	Committee	Area	Defense Date, Time and Title
1	Bonilla, Emily	1/1/2015	1.9	Procter	Rosenkranz, Peters	PHN	<b>December 2 @ 10:30 AM, Justin Hall Rm 167</b> -- <i>Community Needs Assessments in Collaboration with Public Health</i>
2	Sperry, Emily	9/1/2013	3.7	Rosenkranz	Rosenkranz, Yarrow	PHN	<b>March 29 @ 1:00 PM, Justin Hall Rm 166</b> -- <i>Field Experience Report</i>
3	Johnson, Eugene	9/1/2015	1.7	Larson	Kastner, Adams	IDZ	<b>April 4 @ 1:00 PM, Mosier Hall Rm N202</b> -- <i>Field Experience Report</i>
4	Larson, Diane	1/1/2016	1.4	Mulcahy	Hamilton, Mur	IDZ	<b>April 5 @ 9:00 AM, Coles Hall Rm 343</b> -- <i>Biosecurity and Zoonotic Disease Risk at Livestock Exhibition Events</i>
5	Brenes, Priscilla	9/1/2013	3.7	Haub	Higgins, Doll	PHN	<b>April 5 @ 1:30 AM, Justin Hall Rm 166</b> -- <i>Evaluation of a printed newsletter tailored to grandparent caregivers in Kansas</i>
6	Frans, Nike	9/1/2015	1.7	Procter	Kidd, Haub	PHN	<b>April 7 @ 10:00 AM, Justin Hall Rm 115</b> -- <i>Development of Cooking Skills Measurement</i>
7	Jobman, Erin	1/1/2015	2.4	Ganta	Kastner, Mulcahy	IDZ	<b>April 7 @ 1:30 PM, Trotter Hall Rm 104 C</b> -- <i>The role of conservation in public health</i>
8	Passauer, Hayleigh	9/1/2015	1.7	Nutsch	Kastner, Nguyen	FSB	<b>April 10 @ 9:30 AM, Coles Hall Rm 343</b> -- <i>Field Experience at the Saline County Health Department</i>
9	Byquist, Bridget	9/1/2012	4.7	Rosenkranz, S	Rosenkranz, Linshield	PHN	<b>April 11 @ 1:00 PM, Justin Hall Rm 122</b> -- <i>Field Experience at the Saline County Health Department</i>
10	Boline, Sarah	9/1/2015	1.7	Nutsch	Kastner, Nguyen	FSB	<b>April 12 @ 8:00 AM, Coles Hall Rm 343</b> -- <i>Comparison of Salmonella and Shiga Toxin-producing Escherichia coli Outbreak Investigation Interviews Measuring Completeness and Timeliness from January 2016-July 2016</i>
11	Bean, Deidre	9/1/2014	2.7	Nguyen	Mur, Moore	IDZ	<b>April 13 @ 9:00 AM, Mosier Hall Rm N202</b> -- <i>Preliminary Survey of Childhood Lead Poisoning through Spice and Home Remedy Use in Raleigh, North Carolina</i>
12	Cepeda, Ileana	9/1/2015		Hsu	Narayanan, Mulcahy	IDZ	<b>April 13 @ 1:00 PM, Trotter Hall Rm104 C</b> -- <i>Early Detection of Alzheimer's Disease in Military Population &amp; Public Health Field Experience: HIV Prevention Using Pre-Exposure Prophylaxis</i>
13	Gehle, Alyssa	9/1/2015	1.7	Kidd	Procter, Muturi	PHN	<b>April 14 @ 1:00 PM, Justin Hall Rm 166</b> -- <i>Technology and Social Media in Nutrition Education</i>
14	Davis, Bailey	1/1/2013	4.4	Larson	Renberg, Narayanan	IDZ	<b>April 19 @ 1:00 PM, Trotter Hall104 B</b> -- <i>Field Experience Report</i>

## Attachment 3 – Additions to IDZ Curriculum

### Problems in Pathobiology: Zoonotic Pathogens in the Food Chain Syllabus

**Course Numbers:** DMP 880, DMP 980, FDSCI 630, FDSCI 961

**Course Credits:** 2 credit hours

**K-State Online (KSOL) Website**

**for Course Materials:** <http://public.online.ksu.edu/>

**Course co-coordinators:**

Paige Adams, DVM, Ph.D.  
K-State Olathe  
22201 W. Innovation Dr.  
Room 170A  
Olathe, KS 66061  
Office phone: (913) 307-7367  
apadams@k-state.edu

Sara Gragg, Ph.D.  
K-State Olathe  
22201 W. Innovation Dr.  
Room 170C  
Olathe, KS 66061  
Office phone: (913) 307-7371  
saragragg@k-state.edu

Class hours are by appointment only.

**Course Description:** By examining the development, spread and transmission of zoonotic diseases through the food chain from animals through production processes to humans, this course will review ways modern food production systems contribute to the risk of zoonotic diseases, and where mitigation strategies need to be focused. Covering factors in the animal production process and attributes of microorganisms that allow potential contamination of food sources, this course will discuss pathogens that have recently emerged as important infections, and new trends in animal production, such as organic livestock farming and raw milk consumption.

**Prerequisites:** None

**Course Format:** This is a hybrid course led by two instructors, 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 Canvas. The class will meet in person every Monday from 4:00 pm to 5:30 pm in Room 222B at K-State Olathe.

**Textbook:** *Zoonotic Pathogens in the Food Chain*. Denis O. Krause and Stephen Hendrick. CABI. 2015. ISBN: 978-1845936815.

## Attachment 3 – Additions to IDZ Curriculum

### Course Learning Objectives

Upon completion of this course, students will:

1. Understand how our global food supply can impact the spread of zoonotic diseases.
2. Be familiar with zoonotic diseases and how they can spread to humans through the food chain.
3. Have a working understanding of antibiotic usage, residues and resistance in animals and how this impacts the environment and the food chain.
4. Demonstrate an understanding of foodborne pathogen epidemiology.
5. Understand how organic agriculture can contribute to zoonotic pathogen transmission.
6. Have an understanding of on-farm mitigation strategies to prevent human disease.
7. Be skilled at critically evaluating, presenting a discussing research journal publications.
8. Have enhanced written and oral communication skills.

## Attachment 3 – Additions to IDZ Curriculum

### Grades

Participation	=	5%
Discussion questions (3 x 5%)	=	15%
Quizzes (3 x15%)	=	45%
Journal club presentation	=	20%
Term paper	=	15%
Total		100%

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 the instructor as early as possible. The instructor will generally not grant last minute requests or requests after the due date has passed.

### Course Schedule

#### **Week 1: Globalization of the food supply and the spread of disease (Jan. 16-20, 2017)**

**(No class on Monday due to Martin Luther King Day)**

1. Post your profile on KSOL Canvas
2. Post your self-introduction on KSOL Canvas
3. Reading assignment: Chapter 1

#### **Week 2: Globalization of the food supply and the spread of disease (Jan. 23-27, 2017)**

1. In class: Review the K-State online resources
2. In class: Review the syllabus
3. Reading assignment: As assigned

## Attachment 3 – Additions to IDZ Curriculum

4. In class lecture: Sara Gragg, Paige Adams

### **Week 3: Epidemiology of pathogens in the food supply (Jan. 30 - Feb. 3, 2017)**

1. Reading assignment: Chapter 2
2. In class lecture: Sara Gragg

### **Week 4: Manure as a source of zoonotic pathogens (Feb. 6-10, 2017)**

1. Reading assignment: Chapter 3
2. In class lecture: Sara Gragg
3. **Assignment:** Discussion Question 1

### **Week 5: Animal feed as a source of pathogens (Feb. 13-17, 2017)**

1. Reading assignment: Chapter 4
2. In class lecture: Paige Adams

### **Week 6: Milk and raw milk consumption as a vector for human disease (Feb. 20-24, 2017)**

1. Reading assignment: Chapter 5
2. In class lecture: Sara Gragg
3. **Assignment:** Quiz 1

### **Week 7: Application of epidemiological methods in livestock (Feb. 27 - March 3, 2017)**

1. Reading assignment: As assigned
2. In class guest lecture: Natalia Cernicchario, K-State CVM

### **Week 8: The contribution of antibiotic residues and antibiotic resistance genes from livestock operations to antibiotic resistance in the environment and food chain (March 6-10, 2017)**

1. Reading assignment: Chapter 6
2. In class guest lecture: Brian Lubbers, K-State CVM
3. **Assignment:** Term paper topics due

### **Week 9: On-farm mitigation of enteric pathogens to prevent human disease (March 13-19, 2017)**

1. Reading assignment: Chapter 7
2. In class lecture: Sara Gragg
3. **Assignment:** Discussion Question 2

**Student Holiday: March 20-24, 2017**



## Attachment 3 – Additions to IDZ Curriculum

### **Week 10: Organic agriculture and its contribution to zoonotic pathogens (March 27-31, 2017)**

1. Reading assignment: Chapter 8
2. In class lecture: Paige Adams
3. **Assignment:** Quiz 2

### **Week 11: Zoonotic implications of avian and swine influenza (April 3-7, 2017)**

1. Reading assignment: Chapter 9
2. In class guest lecture: Scott Beyer, K-State College of Agriculture

### **Week 12: Crohn's disease in humans and Johne's disease in cattle - linked diseases? (April 10-14, 2017)**

1. Reading assignment: Chapter 10
2. In class lecture: Paige Adams
3. **Assignment:** Discussion Questions 3

### **Week 13: Transmissible spongiform encephalopathies as a case study in policy development for zoonoses (April 17-21, 2017)**

1. Reading assignment: Chapter 11
2. In class lecture: Paige Adams
3. **Assignment:** Term paper references due

### **Week 14: Journal club presentation (April 24-28, 2017)**

1. In class journal club student presentation
2. **Assignment:** Quiz 3

### **Week 15: Journal club presentation (May 1-5, 2017)**

1. In class journal club student presentation

### **Week 16: Term paper submission (May 8-12, 2017)**

1. Term paper due

#### **Kansas State University Policies**

#### **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

## Attachment 3 – Additions to IDZ Curriculum

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>

### **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.

### **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.

### **Statement for Copyright Notification**

Copyright 2015 (Paige Adams, DVM, PhD; Sara Gragg, PhD; Kansas State University) as to this syllabus and all lectures. During this course students are prohibited from selling notes to or being paid for taking notes by any person or commercial firm without the express written permission of the professor teaching this course.

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## Course syllabus – Fall 2016

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### Interdisciplinary Process

AAI 801 | 3 credit hours

#### Course description

Both *inter-disciplinarity* (the *integration* of information, techniques, tools, perspectives, and concepts from two or more academic traditions, or disciplines) and *multi-disciplinarity* (the *combination* of two more disciplines) can help solve problems whose solutions are beyond the scope of a single area of research; provide fertile ground for the birth of novel technologies, innovations, and transformational insights; and, if routinely practiced by individuals and teams, provide a more fulfilling and productive workplace experience.

When exercised by competent leaders and well-led teams, interdisciplinary and multidisciplinary thinking can help industry, government, “third-sector” organizations, and society-at-large cope with the challenges of today’s globalized, technological, and fast-paced world. However, it is not always clear how best to initiate and execute inter- and multi-disciplinary processes. This course, which will be of value to future and on-the-job professionals eager to make the most of their ongoing academic and career development, provides scholarly yet immensely practical insights—and skills—on how to lead and facilitate such processes.

#### Learning objectives for this course

Following completion of eight different course modules, you will be able to do the following:

1. Describe the need for inter- and multi-disciplinary thinking, particularly in terms of new and historical “driving forces” in business and society;
2. Identify the economic, social, political, and scientific benefits of interdisciplinary and multidisciplinary processes;
3. Recognize and overcome common barriers encountered by practitioners of interdisciplinary and multidisciplinary processes;
4. Skilfully integrate (interdisciplinary) and combine (multidisciplinary) disciplines using methods that are systematic yet sufficiently flexible for workplace environments;
5. Identify the critical team-building and leadership skills needed for interdisciplinary and multidisciplinary processes;

6. Identify specific skills exercised by interdisciplinary and multidisciplinary practitioners, and begin to document evidence of your growth in these very skill areas in an ePortfolio;
7. Understand and experience the personal and psychological benefits of interdisciplinary and multidisciplinary processes; and
8. Strategically initiate, operationalize, and “finish” interdisciplinary and multidisciplinary processes in your current workplace and/or contemplated Capstone venue.

#### Dates, class meeting time, and venue

During the Fall 2016 term, AAI 801 *Interdisciplinary Process* will be convened on Tuesdays, 11 October – 6 December, from 2:00 – 5:00 p.m. on the K-State Olathe campus (22201 West Innovation Drive). Whether you are enrolled in the OA (in-person) or PA (online/off-campus) section of the course, please know that class will be convened in room 221B on the K-State Olathe campus, with the opportunity for off-campus live access via Zoom (meeting ID: 170 130 434). Recordings of each class lecture will also be webposted (within 1-2 days) in the relevant module folder in *Canvas*.

#### Course readings and course textbook

The lectures, class activities, and reading assignments for this course are drawn from a wide (multidisciplinary!) array of resources and scholarly authors. Most of the reading materials will be accessed in one of three ways:

- Some reading assignments will be available within the *Canvas* course website for direct download.
- In other cases, you will need Adobe Digital Editions (currently in version 4.5) to electronically “check out” (typically, for 14 days at a time) resources available through the K-State Libraries website ([www.lib.ksu.edu](http://www.lib.ksu.edu)).

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### Course syllabus – Fall 2016

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- We also ask that you purchase this text, to which we will refer several times throughout class:

Stevens, Dannelle D., and Joanne E. Cooper. *Journal Keeping: How to Use Reflective Writing for Learning, Teaching, Professional Insight, and Positive Change*. Sterling, Virginia: Stylus Publishing, 2009.

#### Creating a Canvas ePortfolio for demonstrating your ongoing progress in the PSM

As alluded to in the course objectives above, AAI *Interdisciplinary Process* will help you create an ePortfolio within K-State's learning management system, *Canvas*. This ePortfolio will "travel" with you during the duration of your enrollment in the PSM, and it will feature prominently in your assignments for not only AAI 801 but also AAI 858 *Capstone Experience I* and AAI 859 *Capstone Experience II*. You will also routinely "deposit" items into the ePortfolio from your other PSM coursework.

Essentially, your PSM ePortfolio will help you build a meaningful showcase of your work (which you can share with employers!) and, significantly, demonstrate your growth in a number of skill-development and knowledge areas. These will be categorized in five different sections in your ePortfolio according to the five learning outcomes of the Professional Science Master (PSM) in Applied Science and Technology degree:

1. **Advanced knowledge in one or more STEM fields.** One section of your ePortfolio will showcase evidence of your advanced knowledge within at least one specific STEM field, discipline, or research area.
2. **Robust oral and written communication skills.** A second section of your ePortfolio will demonstrate evidence of graduate-level oral and written communication skills—skills that are increasingly valued in professional STEM environments.
3. **Analysis of quantitative data across multiple STEM disciplines.** As you complete your PSM coursework, you will continuously populate a third ePortfolio section that demonstrates your ability to

effectively analyze quantitative data from multiple science disciplines.

4. **Synthesis of multiple disciplines for describing problems.** In AAI 801 *Interdisciplinary Process*, AAI 858 *Capstone Experience I*, and AAI 859 *Capstone Experience II*, you will routinely integrate (interdisciplinary) and combine (multidisciplinary) academic disciplines to metaphorically paint "truer" pictures of complex problems. These inter- and multi-disciplinary explanations of problems will be included in a fourth section of your ePortfolio.
5. **Synthesis of multiple disciplines for innovatively solving problems.** Perhaps the most exciting section of your ePortfolio will be the last section—a place where you will deposit actual (or potential) innovative solutions to complex problems.

#### Course instructor

Dr. Justin Kastner serves as the course instructor. While principally based on the Manhattan campus, he routinely meets with K-State Olathe students. Please note his contact details:

##### Justin Kastner, PhD

Associate professor and co-director, *Frontier* program, Department of Diagnostic Medicine/Pathobiology  
Faculty member, School of Applied and Interdisciplinary Studies, K-State Olathe  
Kansas State University  
Olathe office: room 170B  
Manhattan office: 307 Coles Hall  
Tel: 785-410-5792  
E-mail: [jkastner@k-state.edu](mailto:jkastner@k-state.edu)  
Office Hours: By appointment (*please call, or email a doodle.com request with 2-3 meeting options; Dr. Kastner's office is in room 170B at K-State Olathe*)

#### Assessment and grading

Dr. Kastner is an advocate of the growth mindset as described by psychologist Dr. Carol Dweck, author of *Mindset: The New Psychology of Success* (New York: Ballantine Books, 2006). If you attend and participate in class activities, complete the course readings, take feedback to heart, and demonstrably strive to attend to detail, you should be successful in



## Attachment 3 – Additions to IDZ Curriculum

### Grades

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Discussion questions (3 x 5%)	=	15%
Quizzes (3 x15%)	=	45%
Journal club presentation	=	20%
Term paper	=	15%
Total		100%

A =	90 – 100%
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C =	70 – 79.9%
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F =	0 – 59.9%

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2. All other late assignments will have a 10% deduction off the total score for each day that the assignment is late.
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### Course Schedule

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**(No class on Monday due to Martin Luther King Day)**

1. Post your profile on KSOL Canvas
2. Post your self-introduction on KSOL Canvas
3. Reading assignment: Chapter 1

#### **Week 2: Globalization of the food supply and the spread of disease (Jan. 23-27, 2017)**

1. In class: Review the K-State online resources
2. In class: Review the syllabus
3. Reading assignment: As assigned

## Attachment 3 – Additions to IDZ Curriculum

4. In class lecture: Sara Gragg, Paige Adams

### **Week 3: Epidemiology of pathogens in the food supply (Jan. 30 - Feb. 3, 2017)**

1. Reading assignment: Chapter 2
2. In class lecture: Sara Gragg

### **Week 4: Manure as a source of zoonotic pathogens (Feb. 6-10, 2017)**

1. Reading assignment: Chapter 3
2. In class lecture: Sara Gragg
3. **Assignment:** Discussion Question 1

### **Week 5: Animal feed as a source of pathogens (Feb. 13-17, 2017)**

1. Reading assignment: Chapter 4
2. In class lecture: Paige Adams

### **Week 6: Milk and raw milk consumption as a vector for human disease (Feb. 20-24, 2017)**

1. Reading assignment: Chapter 5
2. In class lecture: Sara Gragg
3. **Assignment:** Quiz 1

### **Week 7: Application of epidemiological methods in livestock (Feb. 27 - March 3, 2017)**

1. Reading assignment: As assigned
2. In class guest lecture: Natalia Cernicchario, K-State CVM

### **Week 8: The contribution of antibiotic residues and antibiotic resistance genes from livestock operations to antibiotic resistance in the environment and food chain (March 6-10, 2017)**

1. Reading assignment: Chapter 6
2. In class guest lecture: Brian Lubbers, K-State CVM
3. **Assignment:** Term paper topics due

### **Week 9: On-farm mitigation of enteric pathogens to prevent human disease (March 13-19, 2017)**

1. Reading assignment: Chapter 7
2. In class lecture: Sara Gragg
3. **Assignment:** Discussion Question 2

**Student Holiday: March 20-24, 2017**

## Attachment 4 – New CEPH Criteria

**New CEPH Criteria:** New CEPH Criteria *may* include CPH exam in the ILE; “may serve as an element, but not sufficient to satisfy ILE”

### D5. MPH Applied Practice Experiences

Competencies Addressed	Applied Activities	Mode of Completion	Assessment Method
At least 5 competencies (3 must be foundational)	<ul style="list-style-type: none"> <li>• Internships</li> <li>• Community-based course activities</li> <li>• Co-curricular activities</li> </ul>	<ul style="list-style-type: none"> <li>• Individual or group based</li> <li>• Discrete experience or completed across course of study</li> <li>• Non-academic setting</li> <li>• Credit or non-credit bearing</li> </ul>	Student portfolio with at least 2 products

### D5. Required Documentation

#### Document Request 1

- Use Template D5-1 to index at least 5 competencies to a required opportunity for application in a practice setting

#### Document Request 2

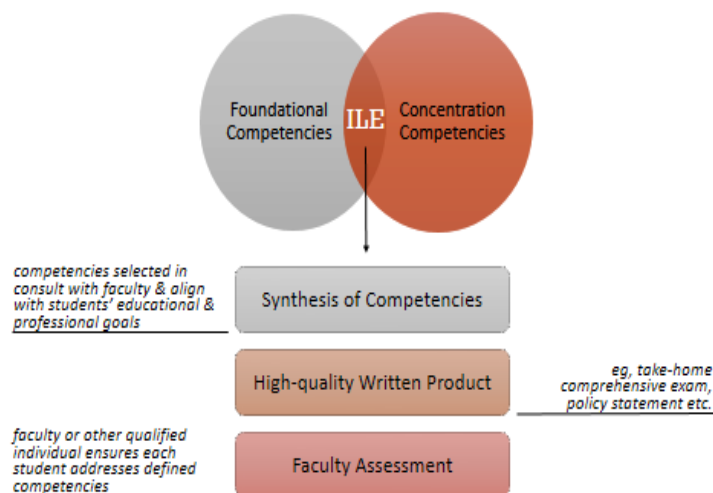
- Provide documentation of the requirements for the applied learning experience (eg, syllabus, handbook, etc.)

#### Document Request 3

- For each concentration provide samples of practice-related materials that demonstrate competencies from at least 5 students in the last 3 years

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### D7. MPH Integrative Learning Experience



### D7. Required Documentation

#### Document Request 1

- In Template D7-1 list the integrative learning experience for each concentration and explain how demonstration of competency synthesis is ensured

#### Document Request 2

- Summarize the process, expectations and assessment for each experience

#### Document Request 3

- Provide documentation that communicates experience policies and procedures to students (ie, syllabus and/or handbook)

#### Document Request 4

- Provide documentation of methods used by faculty or other qualified individual to assess students' demonstration of the selected competencies

#### Document Request 5

- For each concentration provide at least 5 graded samples (or 10%) of deliverables submitted in the last 3 years