

**K-State MPH Board of Directors Meeting
Trotter Hall – 113 Trotter Hall (Dean’s Conference Room)
May 3, 2018 – Minutes**

In attendance: Benjamin (for Chakrabarti – Arts & Sciences); Rush (Vet Med); Buckwalter (Human Ecology); Floros, (Agriculture); Mulcahy (MPH); Shanklin (Graduate School)

- **Call to Order.** Dr. Mulcahy called the meeting to order at 10.35 AM. There was a quorum present.
- **Approval of minutes from May 4, 2017**
- **Items of Business:**
 - **Student Update:**

Emphasis Area	# Continuing Start of Spring Semester	# Admitted for Spring 2018	Total (to date)	# Anticipated Graduates Spring and Summer 2018	# Admitted for Fall 2018
Certificate Only	13	4	17	3	1
Food Safety	2	0	2	0	1
Infectious Diseases	44	3	47	11	1
Public Health Nutrition	8	2	10	1	2
Public Health Physical Activity	12	0	12	3	2 being reviewed
Total	79	9	88	18	7

- AY 2018 list of students graduating ([Attachment 1](#)). Attendees discussed new students, Dr. Mulcahy updated the group with data of student applications in process (currently 6 in CollegenET). Dr. Floros asked about FSB students having a lower enrollment than other emphasis areas. Attendees discussed recruitment for FSB including collaborating with International Programs at the College of Agriculture, current College of Agriculture MS completing the public health certificate. Attendees discussed international students in the MPH program (currently 2) and minority and underrepresented students (currently 14).
- MPH Agreement of Support, need to re-sign with 2018 dates. Department heads have signed. Updated agreement ([Attachment 2](#)). Deans in attendance signed. Signatures from Dr. Chakrabarti and Provost Mason were obtained after the meeting.
- Student participation and activities of note:
 - Chris Omni, MPH in PPHA was awarded a 2018 MPHTC student stipend (Region 7) for her field experience “Walk with Ease” targeting Black women.
 - Public Health Week (April 2-8). Tuesday, April 3, The Comprehensive Public Health Group student club hosted a panel of MPH graduates discussing what you can do with an MPH degree and their career path.
 - In conjunction with Riley County Health Department, annual BugAPalooza, Thursday, April 5 at Wefald Pavilion in City Park. MPH program sponsored a special poster competition for students on any public health themed project.

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- One student presented research at Kentucky Conference on Health Communication in Lexington, KY, April 12-14.
- One student participated in the Minorities in Agriculture Natural Resources and Related Sciences conference, April 4-8.
- Three students will participate in the Food Safety, Public Health and Animal Welfare course in Padova, Italy, June 16-30.
- One student conducting a field experience at OIE in Paris, France.
- One student attending the RxOneHealth course in Tanzania.

- Course and Curriculum Items and Additional Agenda Items (Attachment 3)

- New listing of courses should be effective Spring 2019. (No course additions nor deletions, just changing the way they are listed for accreditation purposes.)

- CEPH Update and Accreditation Dates

- Draft will be ready for review in late May. Gathering data from faculty members.

- Accreditation Calendar Dates

- June, 6, 2018, consultation visit to review document.
- October 15, 2018, self-study document due for copies/ mailing to reach CEPH by October 22.
- December 21, 2018, comments from reviews with changes that need to be made to the document.
- February 21, 2019, final self-study due.
- March 21-22, 2019, On-site visit.
- Decision, CEPH council decision at least 18 weeks after site visit.

- **Other**

- The Deans re-affirmed their commitment to the program upon signing the MPH agreement of support.
- Attendees discussed the potential recruitment of students interested in a career with APHIS/USDA, and for potential employment at NBAF.
- Attendees discussed students enrolled in the program being interested in Medical, Dentistry and PA programs.

- **Next Meeting:** TBA Spring 2019 Semester

- **Adjourn**

Attachment 1 – AY 2018 Graduates

#	MPH Student	Yrs in Prog	Advisor	Area	Defense Schedule
1	Alves, Sara	3.7	Larson	IDZ	February 19 @ 9:00 AM, Mosier Hall Rm 202 -- <i>Laboratory Guidebook to the Interpretation of Enterics</i>
2	Davis, Bailey	4.9	Larson	IDZ	April 19 @ 1:00 PM, Mosier Hall Rm 223 -- <i>Aligning public health and shelter medicine: The connection between a Veterinarian and the public</i>
3	Drakes, Crystal	5.7	Nagaraja	IDZ	Scheduling in process -- <i>Field Experience with Indiana State Department of Health -- State Veterinarian</i>
4	Jafarian, Sohaila	4.4	Mulcahy	IDZ	April 27 @ 12:00 Noon, Coles Hall Rm 235 -- <i>A Community Based Primary Healthcare Approach to Water, Sanitation, and Hygiene (WASH) in Rural Nicaragua</i>
5	Johnson, Dana	2.4	Mulcahy	IDZ	December 14 @ 9:00 AM, Coles Hall Rm 343 -- <i>Sexually Transmitted Infections: A Major Health Issue in Saline County, Kansas</i>
6	Keith, Marie	3.7	Davis	IDZ	April 18 @ 3:00 PM, Mosier Hall Rm N202 -- <i>Identifying Gaps in Rabies Post-Exposure Prophylaxis in Hunan Province</i>
7	McDonald, Jennifer	3.7	Fleming	IDZ	April 20 @ 1:00 PM, 3081 Engineering Hall -- <i>Policy Review: School exclusion policy for non-vaccinated students</i>
8	Noviyanti, FNU	1.7	Larson	IDZ	April 6 @ 1:00 PM, Mosier Hall Rm N202 -- <i>Educating International Students about Rabies through the Kansas State University Rabies Laboratory</i>
9	Pearson, Jessica	1.7	Adams	IDZ	April 4 @ 11:00 AM, Mosier Hall Rm 202 -- <i>Field Experience at Riley County Health Department</i>
10	Reed, Victoria	1.9	Mulcahy	IDZ	September 12 @ 9:00 AM, Coles Hall Rm 235 -- <i>High Risk Conditions and Vaccination Gaps in Invasive Pneumococcal Disease Cases in Tennessee, 2011-2016</i>
11	Taylor, Serina	1.7	McGill	IDZ	March 28 @ 9:00 AM, Mosier Hall Rm 202 -- <i>Student Outbreak Response Team</i>
12	Templeon, Andrew	2.7	McGill	IDZ	April 9 @ 12:30 PM, Coles Hall Rm 343 -- <i>Field Experience at KDHE, Bureau of Disease Control & Prevention as a DIS Field Agent</i>
13	Toillion, Alyssa	2.3	Larson	IDZ	August 10 @ 11:00 AM, Mosier Hall Rm N202 -- <i>Drug Residue Avoidance</i>
14	Voss, Kelly	3.7	KuKanich	IDZ	March 19 @ 3:00 PM, 113 Trotter Hall -- <i>Public Health Risk in Animal Shelters</i>
15	Worthington, Amanda Jo	1.9	Mulcahy	IDZ	November 9 @ 9:00 AM, Mosier Hall Rm 202 -- <i>Factors associated with behaviors in response to health-related messaging from Shawnee County Health Department: Results of a CASPER Survey</i>
16	Yang, Jonathan	2.3	Larson	IDZ	September 12 @ 8:30 AM, Mosier Hall Rm N202 -- <i>Developing a Tuberculosis Protocol Manual for the Saline County Health Department</i>
17	Hernandez, Mayrena	1.7	Haub	PHN	April 13 @ 12:00 Noon, Lafene Health Center, 3rd Floor PAN Conference Rm-- <i>The Health Assessment Needs of Kansas State Students Survey</i>

Attachment 1 – AY 2018 Graduates

18	Kuckelman, Holly	1.3	Procter	PHN	November 3 @ 10:30 AM, Justin Hall Rm 115 -- KSDE <i>Child Nutrition and Wellness: Administration of Child Nutrition Programs</i>
19	Miller, Corey	2.3	Kidd	PHN	November 10 @ 1:30 PM, Justin Hall Rm 166 -- <i>Investigating Child Feeding in a Virtual Reality Buffet- Influences of Message Framing on Parent Emotion</i>
20	Bernardes Gomes, Carla	1.7	Heinrich	PHPA	April 3 @ 9:00 AM Hall Union Rm 206 -- Thesis + Field <i>Experience with Riley County Research and Extension</i>
21	Gasper, Rebecca	1.7	Mailey	PHPA	April 6 @ 2:30 PM, Union Rm 207 -- Thesis: Effects <i>of a brief web-based intervention on motivation, attitude, and physical activity in adults and Field Experience at KDHE</i>
22	Gilmore, Katelyn	3.7	Heinrich	PHPA	April 26 @ 9:00 AM, Justin Hall Rm 166 -- The Campus <i>Effect: Built Environment and Active Transportation at Kansas State University</i>
23	Swank, Aaron	2.3	Mailey	PHPA	November 8 @ 10:00 AM, Union Room 207 -- <i>Physical activity and psychological distress: Social gradients of living in poverty</i>

Attachment 2 – Redline of Agreement of Support
Kansas State University Master of Public Health Program
Agreement of Support

The Kansas State University Master of Public Health (MPH) Degree Program is an interdisciplinary graduate program of the Graduate School, involving multiple departments within four academic colleges at the university: Agriculture, Arts and Sciences, Human Ecology, and Veterinary Medicine. As an interdisciplinary program, roles and responsibility are distributed among the many partners. This agreement provides details of these roles and responsibilities.

Primary MPH faculty are defined as those spending a majority of time/effort (.50 FTE or greater) on activities associated with the public health program and who teach at least one MPH course. Affiliate MPH faculty are other than primary faculty who teach, advise, conduct research, and/or perform outreach, extension, and administrative duties related to public health.

The Provost, Kansas State University, will:

1. Ensure the program meets all Board of Regents requirements for a graduate program.
2. Annually allocate funds to support and sustain the MPH Program and meet the Council on Education for Public Health (CEPH) accreditation standards. This will be done by allocation of funds to the participating academic colleges to support faculty salaries and benefits and related program costs. An additional allocation for operating funds will be made to the college serving as the academic home for the Director.
3. Ensure that policies and procedures are implemented for interdisciplinary programmatic input into all MPH faculty member recruiting and evaluation, and MPH-related course development and assessment.

College of Agriculture, Department of Animal Sciences and Industry, and Food Science Institute will:

1. In collaboration with the College of Veterinary Medicine, provide a minimum of three primary MPH faculty members for the Food Safety and Biosecurity area of emphasis.
2. Encourage other faculty to participate, as affiliate members, of the MPH Program.
3. Provide at least one section per year of any departmental courses required for the MPH degree.
4. Ensure faculty availability to provide advising and to serve as graduate supervisory committee members for MPH Program students.
5. Provide Department Head participation in the MPH Executive Council, to meet at least one time per semester (generally **two** times per year).
6. Provide Dean participation in the MPH Board of Directors, to meet at least one time per year.
7. Assure expeditious resolution of any curricular issues related to the MPH Program brought forward by the MPH Program Director.

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College of Arts and Sciences, Department of Statistics and Division of Biology will:

1. In collaboration with the College of Veterinary Medicine, provide a minimum of three primary MPH faculty members for the Infectious Diseases and Zoonoses area of emphasis.
2. Encourage other faculty to participate, as affiliate members, of the MPH Program.
3. Provide at least 35 seats per year, dedicated to MPH Program students, for the core course "Fundamental Methods of Biostatistics."
4. Provide at least one section every two years, or more often if demand dictates, of any other departmental courses required for the MPH degree.
5. Ensure faculty availability to provide advising and to serve as graduate supervisory committee members for MPH Program students.
6. Provide Department Head participation in the MPH Executive Council, to meet at least one time per semester (generally **two** times per year).
7. Provide Dean participation in the MPH Board of Directors, to meet at least one time per year.
8. Assure expeditious resolution of any curricular issues related to the MPH Program brought forward by the MPH Program Director.

College of Human Ecology, Departments of **Food Nutrition Dietetics and Health** and Kinesiology will:

1. Provide a minimum of three primary MPH faculty members for the Public Health Nutrition area of emphasis.
2. Provide a minimum of three primary MPH faculty members for the Public Health Physical Activity area of emphasis.
3. Encourage other faculty to participate, as affiliate members, of the MPH Program.
4. Provide at least 35 seats per year dedicated to MPH Program students, for the core course "Administration of Health Care Organizations."
5. Provide at least 35 seats per year, dedicated to MPH Program students, for the core course "Social and Behavioral Bases of Public Health."
6. Provide at least one section every two years, or more often if demand dictates, of any other departmental courses required for the MPH degree.
7. Ensure faculty availability to provide advising and to serve as graduate supervisory committee members for MPH Program students.
8. Provide Department Head participation in the MPH Executive Council, to meet at least one time per semester (generally **two** times per year).
9. Provide Dean participation in the MPH Board of Directors, to meet at least one time per year.

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10. Assure expeditious resolution of any curricular issues related to the MPH
11. Program brought forward by the MPH Program Director.

College of Veterinary Medicine, Departments of Diagnostic Medicine and Pathobiology and Clinical Sciences will:

1. In collaboration with the College of Arts and Sciences, provide a minimum of three primary MPH faculty members for the Infectious Diseases and Zoonoses area of emphasis.
2. In collaboration with the College of Agriculture, provide a minimum of three primary MPH faculty members for the Food Safety and Biosecurity area of emphasis.
3. Encourage other faculty to participate, as affiliate members, of the MPH Program.
4. Provide at least 35 seats per year dedicated to MPH Program students, for each of the core courses "Introduction to Epidemiology" and "Environmental Health."
5. Provide at least 10 seats per year in "Veterinary Epidemiology" and "Intermediate Epidemiology" as alternative core courses in epidemiology for MPH Program students.
6. Provide at least one section per year of any departmental courses required for the MPH degree.
7. Ensure faculty availability to provide advising and to serve as graduate supervisory committee members for MPH Program students.
8. Provide Department Head participation in the MPH Executive Council, to meet at least one time per semester (generally two times per year).
9. Provide Dean participation in the MPH Board of Directors, to meet at least one time per year.
10. Assure expeditious resolution of any curricular issues related to the MPH Program brought forward by the MPH Program Director.
11. Provide office space and information, communication, personnel, finance and other administrative support for the program's director and staff while the MPH Program Director is a faculty member in the college.

Governance.

The college that provides the faculty position and salary for the MPH Program Director will be the academic home. Currently, the academic home of the Master of Public Health Program is the College of Veterinary Medicine, with the MPH Program Director reporting directly to its Dean. As with other Graduate Programs at Kansas State University, the Dean of the Graduate School will have oversight of graduate student admissions and progress as well as course and curriculum issues.

The MPH Program Director will act as the administrative head of this interdisciplinary program. In addition to making recommendations on admissions and student outcomes to the Dean of the Graduate School, and coordinating all administrative support for the program, the MPH Program Director will be responsible for programmatic oversight of MPH courses, faculty qualifications, and advisory board governance.

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The MPH Program Board of Directors will be comprised of participating college Deans (Agriculture, Arts & Sciences, Human Ecology, Veterinary Medicine and the Graduate School) and the MPH Program Director. The Board of Directors will meet at least once a year to reaffirm the institution's commitment to the public health values, mission and competencies, as required by the CEPH and recommended by the MPH Program Director and MPH Faculty Advisory Council (see below). Because all participating Deans are committed to supporting and funding the required MPH courses, as well as the numbers of primary and affiliate faculty adequate to meet accreditation criteria, the Board will address any unmet resourcing needs for the MPH Program and assure that the MPH Program Director and department units have resolved any curricular concerns, if present, as expeditiously as possible.

The MPH Program Executive Council will be comprised of the MPH Program Director and all department division heads who supervise primary faculty and/or instructors of core courses. Deans of partnering colleges will serve as ex-officio, non-voting members of the Executive Council. The Executive Council will meet a minimum of three times a year, with a focus on strategic planning, faculty assignments, course availability and funding, and the assurance of proper curricular control, to satisfy CEPH accreditation requirements.

The MPH Faculty Advisory Council will be comprised of the MPH Program Director and three primary faculty members from each area of emphasis and at least one MPH student representative, along with core course instructors. This Council will meet at least six times a year, monitoring student learning and curricular offerings (e.g., syllabus reviews, outcomes assessment, course evaluations).

The Council will assure that course content and implementation align with the public health competencies as defined by CEPH and the MPH Program. In the event that the Faculty Advisory Council identifies shortcomings in the program, the MPH Program Director will initiate steps to rectify the problems by engaging the appropriate department head(s) and curricular governing bodies. The primary faculty will also provide admissions recommendations and identify advisors for applicants to the MPH Program for their specific area of emphasis. Other sub-committees may be formed, as needed, from this Advisory Council and/or the affiliate MPH faculty membership, to support the program in obtaining and maintaining accreditation. The MPH Program Director may add additional faculty members, as non-voting members, at his/her discretion.

~~The MPH External Advisory Council, comprised of at least five members and representing public health practice outside the university approved by the Faculty Advisory and Executive Councils, will meet at least once a year, to discuss linkages between academia and practice, such as necessary competencies and field experience opportunities.~~

~~The MPH Student Council, comprised of at least one representative from each area of emphasis and one student pursuing the Graduate Certificate in Public Health Core Concepts, will meet at least once each semester. This council will discuss student issues and provide perspectives to the MPH Program Director, Executive Council, Advisory Council and/or External Advisory Council and will be a course of communication and interaction for all MPH Program students on campus.~~

Faculty Recruiting and Retention.

Each primary and affiliate MPH faculty member will have a primary appointment in one of the academic colleges, and all expenses related to the recruiting and retention of those faculty members will be the responsibility of the individual college Deans and Department Heads. The MPH Director will participate in

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all search processes, as approved by the Executive Council, for all MPH primary faculty members. The proportion of salary devoted to the MPH Program will be reported annually to the MPH Director.

Primary Faculty Plans of Work.

Each participating MPH faculty member and his/her department head will include MPH Program-related responsibilities in the annual reports establishing personal goals and objectives for the upcoming evaluation period for all MPH faculty members in his or her department. The MPH Program Director will provide input about primary faculty members, regarding their MPH Program participation, to department heads for annual evaluations and programs of work.

Course Development and Sustainability.

The College Deans and Department Heads are responsible for ensuring the consistent, predictable availability of graduate courses which are required for the MPH degree. All expenses, related to the courses, are the responsibility of the Deans and Department Heads and the amounts should be reported to the MPH director, as part of each college's contribution to the program.

New courses will be developed, as necessary and as approved through the regular Kansas State University course and curriculum process.

The MPH Program Director will provide any programmatic survey data, related to specific courses to the appropriate department heads on no less than an annual basis.

Major Professors/Graduate Supervisory Committee Members.

Deans and Department Heads will enable and encourage MPH faculty members to serve as advisors, major professors and supervisory committee members for the MPH Program and students. The representative(s) to the MPH Faculty Advisory Council from the appropriate area of emphasis, in coordination with their department head(s), will provide an initial advisor for each student within two weeks of a request from the MPH Program Director and will assist the student in their first year to identify all members of his/her supervisory committee. The initial advisor generally will become the major professor unless a change is requested by the student and/or advisor.

Communications.

The MPH Program Director will communicate via email, phone calls and regular meetings with the College of Veterinary Medicine Dean, the MPH Executive Council, the MPH Faculty Advisory Council and the MPH External Advisory Council for routine information and decision making related to the program. The Director will also provide routine programmatic updates to the Graduate School Dean, and the program staff will coordinate with the Graduate School staff on all administrative actions related to admissions, student progress and assessment, and course and curriculum issues.

The MPH Program Director will provide a program update to the Provost and all Deans at least annually.

All supporting colleges and departments, through appropriate points of contact, will provide necessary data to meet any and all university, accreditation or other requirements

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Signed:

Dr. April Mason, Provost Kansas State University	Date	Dr. Derek Mosier, Department. Head Diagnostic Medicine/Pathobiology	Date
Dr. Carol Shanklin, Dean Graduate School, KSU	Date	Dr. Craig Harms, Department. Head Kinesiology	Date
Dr. John Floros, Dean College of Agriculture	Date	Dr. Mark Haub, Department. Head Food Nutrition Dietetics and Health	Date
Dr. Amit Chakrabarti, Dean College of Arts & Sciences	Date	Dr. James Neill, Department Head Statistics	Date
Dr. John Buckwalter, Dean College of Human Ecology	Date	Dr. Evan Titgemeyer, Interim Head Animal Sciences and Industry	Date
Dr. Bonnie Rush, Interim Dean College of Veterinary Medicine	Date	Dr. Elizabeth Davis, Department Head Clinical Sciences	Date
Dr. Ellyn Mulcahy, Director MPH Program	Date	Dr. Brian Spooner, Director Division of Biology	Date

Attachment 3 – Additional Agenda Items

1. MPH Classes/students at K-State Olathe:

We currently have 1 MPH student declared as an Olathe student. We have several students that take classes based in Olathe (online via Olathe or on campus)

Here is the distribution of course options for MPH graduate students for online Olathe classes:

- Courses offered through global campus, by Manhattan based faculty.
- Courses offered online via Olathe, by Manhattan based faculty.
- Courses on campus in Olathe by Manhattan based faculty.

2. Recruitment

Currently, we have 5 admitted for Fall 2018, and 2 further pending complete materials. Of the 21 students that applied for Fall 2017, we had 10 applications at this time (April 2017).

Recruitment efforts;

- Joint recruitment with the Graduate School and K-State Olathe
- Joint recruitment with Dr. Wiley and Dr. Elmore at MANRRS, and Marie Armstrong (one of our current MPH students) attending.
- Dr. Rost, Dr. Schmidt and I are planning a new strategy this summer for incoming DVM students.
- We have, and will continue to recruit students additionally at regional conferences including the upcoming Infectious Disease Symposium, May 10-11, in Kansas City.
 - KU Career Fair Feb 7, 2018
 - Western Farm Show Feb 23-25, 2018
 - UCM Healthcare Expo March 6, 2018
 - Washburn Spring Career Fair Feb 14, 2018
 - UCM Big Career Expo Feb 14, 2018
 - UMKC Career Expo
 - NWMSU Career Fair, Feb 20, 2018
 - KCKCC Spring Transfer Fair March 7, 2018
 - Columbia College Grad Fair March 8, 2018

Date of Application Comparison: (Source: Date of Graduate School Application)

	AY2015	AY2016	AY2017	AY2018	AY2019
Applications before June 1	15	4	10	6	10
Applications before start of classes in August	10	7	11	8	
Applications During academic year	15	12	19	9	
Total	40	23	40	23	

Attachment 3 – Additional Agenda Items

Once approved via Curriculog, the listing for each emphasis area is below. Note, no additions nor deletions to courses, just a re-write of how they are listed to meet CEPH accreditation guidelines.

Food Safety and Biosecurity Emphasis Area Competencies

<i>FSB Emphasis Area Competency</i>		<i>Description of Competency</i>	<i>Required Course</i>
1	<i>Food safety and biosecurity</i>	Describe the challenges and solutions for food safety, biosecurity, and defense issues in the food production continuum.	FDSCI 730 and FDSCI 731
2	<i>Threats to the food system</i>	Categorize specific threats to the food system and scientifically identify how each can be prevented, controlled, and/or mitigated in the food production system.	FDSCI 730 and FDSCI 731
3	<i>Food safety laws and regulations</i>	Identify key US food safety regulatory bodies and their legislative authorities, missions, and jurisdictions.	DMP 816
4	<i>Food safety policy and the global food system</i>	Describe how food safety and biosecurity policies, globalization, and international trade influence public health.	DMP 888
5	<i>Effective communication</i>	Develop and illustrate effective strategies to communicate public health/food safety issues to a variety of audiences.	DMP 815

Food Safety and Biosecurity Required and Elective Courses

Prerequisite courses: Students without an undergraduate degree in food science or closely related field may be required to complete undergraduate prerequisite courses before being allowed to take emphasis area courses. Prerequisite courses may include: biochemistry; organic chemistry; an introductory course in microbiology; a course in botany, zoology, or biology; mathematics courses (college algebra, calculus, and statistics); and a course in physics.

Requirements and Credit Hours Needed		Select from these Courses	
Required courses	10 hours	DMP 815	Multidisciplinary Thought & Presentation (3 hrs)
		DMP 816	Trade & Agricultural Health (2 hrs) (online)
		DMP 888	Globalization, Cooperation, and the Food Trade (1 hr) (online)
		FDSCI 730	Multidisciplinary Overview of Food Safety and Security (2 hrs)
		FDSCI 731	Food Protection and Defense – Essential Concepts (2 hrs)
Elective courses	11 Hours	AAI 801	Interdisciplinary Process (online Manhattan; face-to-face Olathe) (3 hrs)
		DMP 710	Introduction to One Health (2 hrs) (online)
		DMP 806	Environmental Toxicology (2 hrs)
		DMP 844	Global Health Issues (3 hrs) (online + May Intersession)
		DMP 855	Disease Detection, Surveillance, and Risk Assessment (3 hrs)
		DMP 880	Problems in Pathobiology
		FDSCI 600	Microbiology of Food (2 hrs) (online version of FDSCI 607)
		FDSCI 601	Food Microbiology Lab (2 hrs)
		FDSCI 690	Principles of HACCP and HARPC (3 hrs) (online + in class)
		FDSCI 695	Quality Assurance of Food Products (3 hrs) (online + in class)
		FDSCI 750	Food Toxicants (2 hrs) (online)
		FDSCI 751	Food Laws and the Regulatory Process (2 hrs)
		FDSCI 753	Risk Assessment for Food, Ag & Vet Med (3 hrs)
		FDSCI 791	Advanced Applications of HACCP Principles (3 hrs) (odd years)
		FDSCI 820	Advanced Food Microbiology & Biotechnology (2 hrs) (online summer odd yrs)
		MC 750	Strategic Health Communication (3 hrs) (alternate years)
MC 760	Communication and Risk (3 hrs) (alternate years)		
STAT 705	Regression and Analysis of Variance (3 hrs) (in class)		

Plus any graduate course approved by the graduate committee and the program director.

Attachment 3 – Additional Agenda Items

Infectious Diseases and Zoonoses Emphasis Area Competencies

IDZ Emphasis Area Competency	Description of Competency	Required Course
1 Pathogens/pathogenic mechanisms	Understand and be able to describe the ecology and modes of disease causation of infectious agents such as bacteria, viruses, parasites, and fungi.	BIOL 530 OR DMP 812
2 Host response to pathogens/immunology	Describe the current understanding of host immune response to infection and understand the role of vaccination in infectious disease control.	BIOL 670 OR DMP 705
3 Environmental/ecological influences	Understand the influence of space/geography, insect vectors, toxic plants and other toxin sources, as well as infectious agents on infectious disease and food safety.	DMP 710
4 Disease surveillance/quantitative methods	Understand how disease events and risk factors for disease are quantified and compared.	DMP 710
5 Effective communication	Develop and demonstrate effective strategies to communicate public health/infectious disease issues to a variety of audiences.	AAI 801 OR DMP 815

Infectious Diseases and Zoonoses Required and Elective Courses

Prerequisite courses: Some courses listed may require prerequisites before being allowed to enroll in the course.

Requirements and Credit Hours			
Required courses 12 hours	BIOL 530 DMP 812	Pathogenic Microbiology (3 hrs) OR Veterinary Bacteriology and Mycology (4 hrs)	
	BIOL 670 DMP 705	Immunology 4 hrs) OR Principles of Veterinary Immunology (3 hrs)	
	DMP 710	Introduction to One Health (2 hrs)	
	AAI 801 DMP 815	Interdisciplinary Process (3 hrs) OR Multidisciplinary Thought and Presentation (3 hrs)	
Elective Courses 9 hours			
ASI 540	Principles of Animal Disease Control (3 hrs)	DMP 855	Disease Detection, Surveillance and Risk Assessment (3 hrs)
BIOL 529	Fundamentals of Ecology (3 hrs)	DMP 860	Pathogenic Mechanisms (3 hrs) (alternate years)
BIOL 545	Human Parasitology(3 hrs)	DMP 871	Molecular Diagnostics of Infectious Diseases (3 hrs)
BIOL 546	Human Parasitology Laboratory (1 hrs)	DMP 880	Problems in Pathobiology (1-6 hrs)
BIOL 604	Biology of Fungi (3 hrs)	DMP 888	Globalization, Cooperation & the Food Trade (1 hrs) (online)
BIOL 671	Immunology Laboratory (2 hrs)	DMP 954	Advanced Epidemiology (4 hrs)
BIOL 675	Genetics of Microorganisms (3 hrs)	ENTOM 849	Biology of Disease Vectors (3 hrs)
BIOL 687	Microbial Ecology (3 hrs)	FDSCI 690	Principles of HACCP (2 hrs) (online)
BIOL 730	General Virology (3 hrs)	FDSCI 730	Overview of Food Safety and Security (2 hrs)
DMP 718	Veterinary Parasitology (4 hrs) (DVM only)	FDSCI 731	Food Protection and Defense - Essential Concepts (2 hrs) (online)
DMP 753	Veterinary Public Health (2 hrs) (DVM only)	GEOG 508	Geographic Information Systems I (4 hrs)
DMP 770	Emerging Diseases (3 hrs) (intersession)	GEOG 608	Geographic Information Systems II (3 hrs) (prerequisite GEOG 508)
DMP 801	Toxicology (2 hrs)	MC 750	Strategic Health Communication (alternate years) (3 hrs)
DMP 806	Environmental Toxicology (2 hrs)	MC 760	Communication and Risk (3 hrs) (alternate years)
DMP 816	Trade & Agricultural Health (2 hrs) (online)	STAT 705	Regression and Analysis of Variance (3 hrs)
DMP 822	Veterinary Virology (3 hrs)	STAT 716	Non-parametric Statistics (3 hrs)
DMP 830	Quantitative Analysis (3 hrs)	STAT 717	Categorical Data Analysis (3 hrs)
DMP 844	Global Health Issues (3 hrs) (online)	STAT 720	Design of Experiments (3 hrs)
DMP 850	Domestic Animal Immunology (3 hrs)	STAT 730	Multivariate Statistics Methods (3 hrs)
DMP 854	Intermediate Epidemiology (3 hrs)	<i>Plus any graduate course approved by the graduate committee and the program director.</i>	

Attachment 3 – Additional Agenda Items

Public Health Nutrition Emphasis Area Competencies

PHN Emphasis Area Competency		Description of Competency	Required Course
1	Information literacy of public health nutrition	Demonstrate information literacy through the acquisition of public health nutrition knowledge and skills necessary to locate, understand, and evaluate and use that information efficiently and effectively for public health practice.	FNDH 600, FNDH 820 and FNDH 844
2	Translate research into practice	Translate research into practice through skills in nutrition surveillance, policy, program planning and evaluation, management, information dissemination and oral and written communication.	FNDH 600 and FNDH 820
3	Population-based health administration	Utilize advance principles of health literacy, including critical thinking skills, literature searches, data collection and interpretation, necessary for the implementation and administration of population-based food, nutrition and health services.	FNDH 600
4	Integrate knowledge of human nutrition principles	Integrate knowledge of human nutrition principles with epidemiological concepts in order to improve population health and reduce disease risk.	FNDH 600
5	Effective communication	Develop and illustrate effective strategies to communicate public health/nutrition issues to a variety of audiences.	FNDH 844 and FNDH 880

Public Health Nutrition Required and Elective Courses

Prerequisite courses: Students without an undergraduate degree in nutrition or dietetics or graduate work in nutrition need an understanding of human nutrition similar to that which is taught in FNDH 400 Human Nutrition and FNDH 450 Nutritional Assessment. These courses or the equivalent must be completed before the student is approved for full admission status in the program.

Requirements and Credit Hours			
Required courses 10 hours	FNDH 600	Public Health Nutrition (3 hrs) (may substitute elective if already taken)	
	FNDH 844	Nutritional Epidemiology (3 hrs)	
	FNDH 820	Functional Foods for Chronic Disease Prevention (3 hrs)	
	FNDH 880	Graduate Seminar in Human Nutrition (1 hr)	
Elective Courses 11 hours			
AAI 801	Interdisciplinary Process (online Manhattan; face-to-face Olathe) (3 hrs)	FSHS 714	Program Design, Evaluation, and Implementation (3 hrs)
FNDH 620	Nutrient Metabolism (3 hrs)	KIN 610	Program Planning and Evaluation (3 hrs)
FNDH 631	Clinical Nutrition I (3 hrs)	KIN 805	Physical Activity and Human Behavior (3 hrs)
FNDH 632	Clinical Nutrition II (3 hrs)	MC 750	Strategic Health Communication (3 hrs) (alt years)
FNDH 635	Nutrition and Exercise (3 hrs)	MC 760	Communication and Risk (3 hrs) (alternate years)
FNDH 700	Global Health and Nutrition (3 hrs)	PSYCH 518	Introduction to Health Psychology (3 hrs)
FNDH 718	Physical Health and Aging (3 hrs)	SOCIO 541	Wealth, Power and Privilege (3 hrs)
FNDH 726	Nutrition and Wellness (3 hrs)	SOCIO 570	Race and Ethnic Relations in the USA (3 hrs)
FNDH 735	Advanced Energy Balance (3 hrs)	STAT 705	Regression and Analysis of Variance (3 hrs)
FNDH 780	Problems in Nutrition (variable)	STAT 710	Sample Survey Methods (3 hrs)
FNDH 782	Topics in Human Nutrition (3 hrs)	STAT 713	Applied Linear Stat Models (3 hrs) (same as STAT 705 only more mathematical)
FNDH 800	Nutrition Education and Communication (3 hrs)	STAT 716	Non-parametric Statistics (3 hrs)
FNDH 810	Advanced Macronutrient Metabolism (5 hrs)	STAT 717	Categorical Data Analysis (3 hrs)
FNDH 812	Advanced Micronutrient Metabolism (3 hrs)	STAT 720	Design Experiments (3 hrs)
FNDH 841	Consumer Response Evaluation (3 hrs)	STAT 725	Intro to SAS Computing (1 hr)
FNDH 862	Maternal and Child Nutrition (3 hrs) (GP Prog)	STAT 730	Multivariate Statistical Methods (3 hrs)
FNDH 891	Environmental Scanning and Analysis of Current Issues in Dietetics (3 hrs)	<i>Plus any graduate course approved by the graduate committee and the program director.</i>	

Attachment 3 – Additional Agenda Items

Public Health Physical Activity Emphasis Area Competencies

PHPA Emphasis Area Competency		Description of Competency	Required Course
1	Population health	Develop evidence-based knowledge of the relationship between physical activity and population health.	KIN 612
2	Social, behavioral and cultural influences	Understand how social, behavioral and cultural factors contribute to participation in physical activity.	KIN 610 and KIN 805
3	Theory application	Understand how social and behavioral theory and frameworks are used in programs designed to promote physical activity in community settings.	KIN 610 and KIN 805
4	Creating and evaluating interventions	Develop skills for creating and evaluating physical activity interventions in diverse community settings.	KIN 610 and KIN 805
5	Effective communication	Develop the ability to collaboratively communicate with public health officials and other community partners to promote physical activity in community settings.	KIN 610 and KIN 612

Public Health Physical Activity Required and Elective Courses

Prerequisite courses: Come courses listed may require prerequisites before being allowed to enroll in the course.

Requirements and Credit Hours			
Required courses 9 hours		KIN 610	Program Planning and Evaluation (3 hrs)
		KIN 612	Policy, Built Environment and Physical Activity (3 hrs)
		KIN 805	Physical Activity and Human Behavior (3 hrs)
Elective Courses 12 hours			
AAI 801	Interdisciplinary Process (online Manhattan; face-to-face Olathe) (3 hrs)	KIN 852	Topics in the Behavioral Basis of Kinesiology (1-3 hrs) (Students without an undergraduate class in behavior science will be required to take this class.)
FNDH 600	Public Health Nutrition (3 hrs)	KIN 896	Independent Study (instructor permission) (1-3 hrs)
FNDH 844	Nutritional Epidemiology (3 hrs)	MC 750	Strategic Health Communication (3 hrs)
KIN 600	Interpersonal Aspects of Physical Activity (3 hrs)	SOCIO 541	Wealth, Power and Privilege (3 hrs)
KIN 602	Social Structural Determinants of Physical Activity (3 hrs)	SOCIO 545	Sociology of Women (3 hrs)
KIN 606	Topics in the Behavioral Basis of Kinesiology (1-3 hrs)	SOCIO 570	Race and Ethnic Relations in the United States (3 hrs)
KIN 614	Physical Activity Behavior Settings: Youth Sport to Senior Centers (3 hrs)	STAT 705	Regression and Analysis of Variance (3 hrs)
KIN 625	Exercise Testing and Prescription (3 hrs)	STAT 710	Sample Survey Methods (3 hrs)
KIN 635	Nutrition and Exercise (3 hrs)	STAT 716	Non-parametric Statistics (3 hrs)
KIN 655	Individual Physical Activity Promotion (3 hrs)	STAT 717	Categorical Data Analysis (3 hrs)
KIN 797	Topics: Public Health Physical Activity Behavior (1-4 hrs)	STAT 720	Design of Experiments (3 hrs)
KIN 815	Research Methods in Kinesiology (3 hrs)	STAT 725	Intro to SAS Computing (1 hr)
KIN 851	Topics in the Physiological Basis of Kinesiology (1-3 hrs) (Students without an undergraduate class in physiology will be required to take this class.)	STAT 730	Multivariate Statistics Methods (3 hrs)

Plus any graduate course approved by the graduate committee and the program director.

All MPH graduate students must maintain a GPA of 3.0 or above in ALL graduate course work to remain in good standing in the program and to graduate with an MPH degree. Detailed information concerning this requirement may be found on the Graduate School website: <http://www.k-state.edu/grad/>