

**Attachment 7**  
**Academic Affairs**  
**Discussion Agenda – Supplemental Information**  
**New BS in Public Health**  
**Faculty Senate Review – November 12, 2019 Meeting**  
<https://kstate.curriculog.com/proposal:3758/form>

**Program Approval**

**I. General Information**

**A. Institution** Kansas State University

**B. Program Identification**

Degree Level: Bachelor's  
Program Title: Public Health  
Degree to be Offered: Bachelor of Science  
Responsible Department or Unit: College of Health and Human Sciences/Kinesiology  
CIP Code: 51.2201  
Modality: Hybrid  
Proposed Implementation Date: Fall 2020

Total Number of Semester Credit Hours for the Degree: 120

**II. Justification**

Public health careers are on the rise and there is a shortage of qualified public health workers, particularly in rural areas. There are many individuals who are currently employed at local health departments or in healthcare professions, such as nursing, who do not yet have a bachelor's degree but would benefit from a degree in public health. In local public health departments across Kansas, 49% of employees have less than a bachelor's degree. Further, a recent state-wide analysis of public health competencies found that the lowest proficiency rating across all tiers for both local health departments and the Kansas Department of Health and Environment was public health science skills, followed closely by policy development/program planning, analytical and assessment skills, and cultural competency.

Currently, there are limited Bachelor of Science in Public Health (BSPH) degree programs offered regionally. One Nebraska institution and four institutions in Missouri offer BSPH degrees, but there are no BSPH programs in the state of Kansas. Other Kansas institutions offer related degrees such as community health (University of Kansas), health administration, health management, and health science (all at Wichita State University), or health and human performance (Fort Hays State University), but these programs do not include the five core areas of public health and are ostensibly less marketable than a public health degree. Our proposed program includes a core set of fundamental public health courses, a 3-course practicum series that provides real-world exposure to public health practice, several concentration options including Public Health Physical Activity and Public Health Aging, and the flexibility to choose additional coursework electives. Thus, we anticipate that the BSPH at Kansas State will attract new students with varied career interests to the university. Furthermore, as a multidisciplinary degree with courses offered across multiple departments and colleges, the BSPH program will benefit multiple units and foster cross-campus collaborations.

**III. Program Demand:** Select one or both of the following to address student demand:

**A. Survey of Student Interest**

Number of surveys administered: ..... \_\_\_\_\_  
Number of completed surveys returned: ..... \_\_\_\_\_  
Percentage of students interested in program: ... \_\_\_\_\_

Include a brief statement that provides additional information to explain the survey.

**B. Market Analysis**

The growth outlook for public health careers is excellent. The Bureau of Labor Statistics forecasts growth between 5-25% nationally for many of the more popular public health career areas over the next 5 years. These include community health workers, health educators, occupational health and safety specialists, and fitness and wellness coordinators. Similar growth is expected in the state of Kansas. Consequently, national public health workforce groups such as the National Consortium for Public Health Workforce Development (NACHHO) and the De Beaumont Foundation have called for the development of effective and engaging public health training and academic curricular offerings to prepare public health workers with strategic skills and expertise to meet the growing public workforce demand.

To assess local need for a BSPH degree, we distributed a brief survey at two recent conferences: the Kansas Governor's Public Health Conference (Wichita, KS) in April 2019 and the National Health Outreach Conference (Fort Worth, TX) in May 2019. Survey respondents were primarily public health professionals in Kansas (e.g., at county health departments). The first survey question asked if there was a need for a BSPH program in the state of Kansas. A total of 65 responses were collected between the two locations; of these, 49 (75%) said "Yes," four (6%) said "No," and 12 (18%) were "Unsure." Respondents indicated they saw a "big need" for more trained public health professionals and that a BSPH program would be a "tremendous asset" to the state of Kansas. They also emphasized the importance of offering flexible course options (e.g., online or evening courses) to accommodate working professionals who are interested in obtaining the degree.

**IV. Projected Enrollment for the Initial Three Years of the Program**

Year	Headcount Per Year		Sem Credit Hrs Per Year	
	Full- Time	Part- Time	Full- Time	Part- Time
Implementation	20	0	640	0
Year 2	30	0	1,560	0
Year 3	40	0	2,720	0

**V. Employment**

As mentioned above, the Bureau of Labor Statistics has documented a high demand for professionals skilled in public health. In addition, there is a large need for educated health professionals nationally and in the state of Kansas, as many individuals in the public health field have plans to retire in the next 10 years.

The most common careers for students with a bachelor's degree in public health are research and community education. There is increasing demand both nationally and in Kansas for individuals in the following related positions:

- Health Specialties Teachers, Postsecondary (+26% nationally, +23% in Kansas)
- Community Health Worker (+18% nationally, +10% in Kansas)
- Health Educator (+15% nationally, +10% in Kansas)
- Occupational Health and Safety Specialists (+8% nationally, +6% in Kansas)
- Fitness and Wellness Coordinators (+11% nationally, +5% in Kansas)

Public Health employment titles and median national annual wages include Health Educator: \$53,940; Environmental Scientists and Specialists: \$69,400; and Emergency Management and Preparedness Coordinator: \$72,760. Overall, the Bureau of Labor Statistics forecasts 5-25% growth in many of the more popular public health careers between 2020 and 2024.

At the state of Kansas Department of Health and Environment (KDHE), there are 36 different employment titles. Mean annual wages for Kansas KDHE employees by section range from \$41,988 to \$57,283. Of note in 2017, 84.2% of local health department employees in Kansas and 74.6% of KDHE employees had a bachelor's degree or less.

## VI. Admission and Curriculum

### A. Admission Criteria

Admissions criteria will be the same as for the B.S. in Kinesiology and include the University Admission Requirements:

Complete the [precollege curriculum](#) with at least a 2.0 GPA (2.5 for [non-residents](#)) **AND** achieve one of the following:

- A 21 or higher composite score on the ACT assessment **OR**
- A 1060 or higher on the SAT ERW+M if taken after March 2016 **OR**
- A 980 or higher on the SAT CR + M if taken before March 2016 **OR**
- Rank in the top third of your graduating class

### B. Curriculum

#### Year 1: Fall

SCH = Semester Credit Hours

Course #	Course Name	SCH....
KIN 110	Introduction to Public Health	3
BIOL 198	Principles of Biology	4
PSYCH 110	General Psychology	3
ENGL 100	Expository Writing I	3
SOCIO 211	Introduction to Sociology	3

#### Year 1: Spring

Course #	Course Name	SCH....
KIN 220	Biobehavioral Bases of Physical Activity	4
DMP 313	Introduction to Epidemiology	3
MATH 100	College Algebra	3
	Unrestricted Elective	3
	Unrestricted Elective	3

#### Year 2: Fall

Course #	Course Name	SCH....
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BIOL 341	Human Body I	4
STAT 340	Biometrics I	3
KIN 311	Health Promotion and Behavior	3
GNHE 210	Foundations of Human Ecology	1
	Unrestricted Elective	3

**Year 2: Spring**

Course #	Course Name	SCH....
BIOL 342	Human Body II	4
COMM 106	Public Speaking I	3
KIN 618	Social Dimensions and Cultural Competency in Public Health	3
KIN 319	Global Public Health	3
ECON 110	Principles of Macroeconomics	3

**Year 3: Fall**

Course #	Course Name	SCH....
HIST 102	Western Civilization: The Modern Era (Humanities)	3
KIN 318	Rural and Community Health	3
KIN 518	Seminar in Public Health Practice	3
	Unrestricted Elective	3
	Unrestricted Elective	2

**Year 3: Spring**

Course #	Course Name	SCH....
DMP 314	Introduction to Environmental Health	3
KIN 619	Health Policy and Administration	3
KIN 312	Methods and Analysis of PH Practice	3
	Unrestricted Elective	3
	Unrestricted Elective	3

**Year 3: Summer**

Course #	Course Name	SCH....
KIN 519	Public Health Practicum	3

**Year 4: Fall**

Course #	Course Name	SCH....
AMETH 160	Introduction to American Ethnic Studies (Humanities)	3
	Unrestricted Elective	3
	Unrestricted Elective	3
	Unrestricted Elective	3
	Unrestricted Elective	2

**Year 4: Spring**

Course #	Course Name	SCH....
KIN 522	Capstone Project in Public Health	3
HIST 534	Social History of Medicine	3
	Unrestricted Elective	3

	Unrestricted Elective	3

**Total Number of Semester Credit Hours** ..... **120**

**VII. Core Faculty**

Note: \* Next to Faculty Name Denotes Director of the Program, if applicable  
 FTE: 1.0 FTE = Full-Time Equivalency Devoted to Program

Faculty Name	Rank	Highest Degree	Tenure Track Y/N	Academic Area of Specialization	FTE to Proposed Program
Mary McElroy	Professor	Ph.D.	Y	Social Determinants of Physical Activity	0.20
Katie Heinrich	Associate Professor	Ph.D.	Y	Public Health and Exercise Behavioral Sciences	0.20
Emily Mailey	Associate Professor	Ph.D.	Y	Health Behavior Theories and Interventions	0.20
Gina Besenyi	Assistant Professor	Ph.D./M.P.H.	Y	Health Promotion, Education, and Behavior	0.20
TBD* Program Director	Associate Professor	Ph.D./M.P.H.	Y	Public Health	0.60
TBD	Instructor	M.P.H.	N	Public Health	0.80
TBD	Instructor	M.P.H.	N	Public Health	0.80

Number of graduate assistants assigned to this program ..... **1.5**

**VIII. Expenditure and Funding Sources** (*List amounts in dollars. Provide explanations as necessary.*)

A. EXPENDITURES	First FY	Second FY	Third FY
<b>Personnel – Reassigned or Existing Positions</b>			
Faculty	\$68,585	\$69,957	\$71,356
Administrators ( <i>other than instruction time</i> )			
Graduate Assistants	\$23,000	\$23,000	\$23,000
Support Staff for Administration ( <i>e.g., secretarial</i> )	\$3,284	\$3,284	\$3,284
Fringe Benefits ( <i>total for all groups</i> )	\$28,460	\$29,032	\$29,613
Other Personnel Costs			
<b>Total Existing Personnel Costs – Reassigned or Existing</b>	\$123,329	\$125,273	\$127,253
<b>Personnel – – New Positions</b>			

Faculty		\$133,000	\$135,660
Administrators ( <i>other than instruction time</i> )			
Graduate Assistants			
Support Staff for Administration ( <i>e.g., secretarial</i> )			
Fringe Benefits ( <i>total for all groups</i> )		\$39,900	\$40,698
Other Personnel Costs			
<b>Total Existing Personnel Costs – New Positions</b>		\$172,900	\$176,358
<b>Start-up Costs - - One-Time Expenses</b>			
Library/learning resources			
Equipment/Technology			
Physical Facilities: Construction or Renovation			
Other			
<b>Total Start-up Costs</b>			
<b>Operating Costs – Recurring Expenses</b>			
Supplies/Expenses			
Library/learning resources			
Equipment/Technology	\$5,000	\$1,000	\$1,000
Travel			
Other			
<b>Total Operating Costs</b>	\$5,000	\$1,000	\$1,000
<b>GRAND TOTAL COSTS</b>	\$128,329	\$299,173	\$304,611

<b>B. FUNDING SOURCES</b> ( <i>projected as appropriate</i> )	Current	First FY (New)	Second FY (New)	Third FY (New)
Tuition / State Funds		\$200,320	\$488,280	\$882,660
Student Fees		\$6,125	\$21,500	\$48,375
Other Sources				
<b>GRAND TOTAL FUNDING</b>		\$206,445	\$509,780	\$931,035
<b>C. Projected Surplus/Deficit (+/-)</b> (Grand Total Funding <i>minus</i> Grand Total Costs)		+\$78,116	+\$210,607	+\$626,424

## **IX. Expenditures and Funding Sources Explanations**

### **A. Expenditures**

#### **Personnel – Reassigned or Existing Positions**

All faculty are currently employed by the Department of Kinesiology in the College of Health and Human Sciences. The percent time dedicated to the program is based on the courses taught each year. An annual cost-of-living pay increase was included. Each faculty listed has 40% FTE dedicated towards teaching. Some courses within this degree also fulfill requirements in our B.S. Kinesiology degree. The four existing faculty members who form the core for this degree teach these courses, thus only the portion of their teaching assignment relative to the Public Health program is shown above. Also, the proposed degree will include several core and upper level courses taught by faculty in other units at Kansas State University (e.g., Food, Nutrition, Dietetics, and Health; Veterinary Medicine; Gerontology).

#### **Personnel – New Positions**

A Program Director and two Instructors will be hired during the first year of the program. The Program Director, in addition to administrative and coordination duties, will also teach and have a research component to their appointment. The instructors will teach courses that currently are not being offered at Kansas State University, but are necessary for this new major.

#### **Start-up Costs – One-Time Expenses**

None

#### **Operating Costs – Recurring Expenses**

Operating costs for supplies and equipment/technology are based on estimates for each year to develop (YR 1) and maintain the program (YR 2,3) that will be covered by course fees based on student credit hours (see below).

### **B. Revenue: Funding Sources**

Student Fee explanation: The College of Health and Human Sciences has a \$20 per credit hour on all classes in the college. Revenue from this fee is used to support student services in the program. The Department of Kinesiology has a \$15 per credit hour on classes in the department. Revenue from this fee is used for instructional support for the department.

### **C. Projected Surplus/Deficit**

Projections are that the program will generate funds the first year. The second year will have expenses of additional faculty hires, yet will continue to generate funds as the program grows.

## X. References

None

### ***CATALOG OVERVIEW***

Public Health (B.S.)

A total of 120 credit hours are required for graduation. The BS degree is obtained by following the curriculum of the College of Health and Human Sciences.

Public Health majors must complete a Public Health core of 34 credit hours and complete a minimum of 9 credit hours in one of four concentration areas (Public Health Physical Activity/Public Health Aging/Public Health Nutrition/General Public Health)

A minimum grade of C and GPA of 2.2 are required for all Public Health courses meeting degree requirements.

#### **GENERAL REQUIREMENTS (42-44 HOURS)**

##### **Communications (8-9)**

\_\_\_ ENGL 100 Expository Writing I|Credits: 3

\_\_\_ ENGL 200 Expository Writing II|Credits: 3

\_\_\_ COMM 105 Public Speaking IA|Credits: 2

**OR**

\_\_\_ COMM 106 Public Speaking I|Credits: 3

##### **Social Science (9 Hours)**

\_\_\_ ECON 110

Principles of Macroeconomics|Credits: 3

\_\_\_ PSYCH110 General Psychology|Credits: 3

\_\_\_ SOCIO 211 Intro to Sociology|Credits: 3

##### **Humanities (6 Hours)**

*(Only courses of 3 credits or more will apply)*

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##### **Natural and Physical Sciences (12 Hours)**

\_\_\_ BIOL 198 Principles of Biology|Credits: 4

\_\_\_ BIOL 341 Human Body I|Credits: 4

**AND**

\_\_\_ BIOL 342 Human Body II|Credits: 4

**OR**

\_\_\_ KIN 360 Anatomy and Physiology|Credits: 8

##### **Integrative Health and Human Sciences Course (1 Hour)**

\_\_\_ GNHE 210 Foundations of Human Ecology|Credits: 1

##### **Quantitative and Abstract Formal Reasoning (6-7 Hours)**



- \_\_\_ MATH 100 College Algebra | Credits: 3  
**OR**  
 \_\_\_ MATH 150 Plane Trigonometry | Credits: 3  
**OR**  
 \_\_\_ MATH 220 Analytic Geometry and Calculus I | Credits: 4  
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- \_\_\_ STAT 325 Introduction to Statistics | Credits:3  
**OR**  
 \_\_\_ STAT 340 Biometrics I | Credits:3  
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**PUBLIC HEALTH STUDIES (43 HOURS)**

**Public Health Core (34 Hours)**

- \_\_\_ DMP 313 Introduction to Epidemiology | Credits:3  
 \_\_\_ DMP 314 Introduction to Environmental Health | Credits:3  
 \_\_\_ KIN 110 Introduction to Public Health | Credits:3  
 \_\_\_ KIN 220 Biobehavioral Bases of Physical Activity | Credits:4  
 \_\_\_ KIN 311 Health Promotion and Behavior | Credits:3  
 \_\_\_ KIN 312 Methods and Analysis of Public Health | Credits:3  
 \_\_\_ KIN 518 Seminar in Public Health Practice | Credits:3  
 \_\_\_ KIN 519 Public Health Practicum | Credits:3  
 \_\_\_ KIN 522 Capstone Project in Public Health | Credits:3  
 \_\_\_ KIN 618 Social Determinants and Cultural  
 Competency in Public Health | Credits:3  
 \_\_\_ KIN 619 Health Policy and Administration | Credits:3

**Public Health Concentration Area (9 Hours)**

*(Choose one of the following concentration areas)*

**Public Health Physical Activity (9 Hours)**

- \_\_\_ KIN 345 Exercise Behavioral Science | Credits:5  
*and 2 additional courses (1 course should be at or above the 400 level)*  
 \_\_\_ KIN 310 Measurement and Research Techniques in Kinesiology | Credits:4  
 \_\_\_ KIN 380 Principles of Exercise Training | Credits:3  
 \_\_\_ KIN 592 Sport and Exercise Personality | Credits:3  
 \_\_\_ KIN 597 Research Experience in Kinesiology | Credits:0-3  
 \_\_\_ KIN 599 Independent Studies in Kinesiology | Credits:1-3  
 \_\_\_ KIN 600 Interpersonal Aspects of Physical  
 Activity | Credits:3  
 \_\_\_ KIN 602 Social Structural Determinants of  
 Physical Activity | Credits:3  
 \_\_\_ KIN 610 Program Planning and Evaluation | Credits:3  
 \_\_\_ KIN 612 Policy, Built Environment and Physical Activity | Credits:3  
 \_\_\_ KIN 616 Obesity and Physical Activity:  
 Behavioral, Environment and Policy  
 Influences | Credits:3  
 \_\_\_ KIN 655 Individual Physical Activity Promotion | Credits:3

**Or**

**Public Health Aging (9 Hours)**

- \_\_\_ GERON 315 Introduction to Gerontology|Credits:3  
*and 2 additional courses (1 course should be at or above the 400 level)*
- \_\_\_ GERON 510 Aging in America:Policy and Advocacy|Credits: 3  
\_\_\_ GERON625 Health and Aging |Credits:3  
\_\_\_ GERON630 Mental Health and Aging|Credits:3  
\_\_\_ GERON715 Aging Veterans|Credits:3  
\_\_\_ HDFS 510 Human Development and Aging  
|Credits:3  
\_\_\_ SOCIO 544 Social Gerontology: An Introduction to the Sociology of Aging|Credits:3  
\_\_\_ SOCWK320 (3) Dynamics of Working with Older Adults|Credits:3

**Or**

**Public Health Nutrition (9 Hours)**

- (2 courses should be at or above the 400 level)
- \_\_\_ FNDH 132 Basic Nutrition|Credits:3  
\_\_\_ FNDH 340 Food and Health: Safety, Allergies  
and Intolerances|Credits:3  
\_\_\_ FNDH 400 Human Nutrition|Credits:3  
\_\_\_ FNDH 413 Science of Food|Credits:4  
\_\_\_ FNDH 450 Nutritional Assessment|Credits:2  
\_\_\_ FNDH 510 Life Span Nutrition|Credits:2  
\_\_\_ FNDH 600 Public Health Nutrition|Credits:3

**Or**

**General Public Health (9 Hours)**

*(Students may choose courses from this list OR from any other concentration area. Two courses should be at or above the 400 level)*

- \_\_\_ AGRON 335 Environmental Quality|Credits:3  
\_\_\_ ANTH 315 Intro to Medical Anthropology|Credits:3  
\_\_\_ BIOL 330 Public Health Biology|Credits:3  
\_\_\_ CLSCS 105 Medical Terminology: Latin and Greek for Scientists|Credits:2  
\_\_\_ FNDH 321 Medical Documentation|Credits:2  
\_\_\_ FNDH 352 Personal Wellness|Credits:3  
\_\_\_ HIST 534 Social History of Medicine|Credits:3  
\_\_\_ KIN 318 Rural and Community Health|Credits:3  
\_\_\_ KIN 319 Global Public Health|Credits:3  
\_\_\_ MC 451 Health Communication|Credits:3  
\_\_\_ PHILO 365 Medical Ethics|Credits:3  
\_\_\_ POLSC 377 Intro to Public Policy|Credits:3

**ELECTIVES (33-35 Hours)**

*(Only courses at the 100-799 level undergraduate courses may be applied. Course at the 300-level or higher must be taken for 2 or more credits)*

Total Hours required for Graduation (120 credit hours)

## ASSESSMENT

Number	Detail	Course(s) for Assessment of Learning Outcome	Assessment Timeline:
1	Communicate public health information, in both oral and written forms and through a variety of media, to diverse audiences	DMP 313, KIN 619, KIN 522, DMP 314	The performance criteria will be assessed each time the course is taught. SLO overall assessment will be based on an annual combination of all data.
2	Locate, use, evaluate, and synthesize public health information	KIN 110, KIN 312, DMP 313, DMP 314	The performance criteria will be assessed each time the course is taught. SLO overall assessment will be based on an annual combination of all data.
3	Identify and assess public health problems to develop appropriate health promotion programs based on sound theoretical foundations of health behavior	KIN 311	The performance criteria will be assessed each time the course is taught. SLO overall assessment will be based on an annual combination of all data.
4	Apply basic research methodology and design, data collection and data analysis for identification of health trends and public health problems	KIN 312, DMP 313	The performance criteria will be assessed each time the course is taught. SLO overall assessment will be based on an annual combination of all data.
5	Understand and compare the values and perspectives of diverse individuals, communities, and cultures and their influence on health behaviors	KIN 318, KIN 319, KIN 618	The performance criteria will be assessed each time the course is taught. SLO overall assessment will be based on an annual combination of all data.
6	Discuss public health and related roles and responsibilities of government, non-government agencies, and private organizations	KIN 318, KIN 619	The performance criteria will be assessed each time the course is taught. SLO overall assessment will be based on an annual combination of all data.
7	Comprehend and describe the interconnectedness among the social, physical, and environmental aspects of public health	FNDH 311, KIN 319, KIN 618	The performance criteria will be assessed each time the course is taught. SLO overall assessment will be based on an annual combination of all data.
8	Engage in collaborative and interdisciplinary approaches and	KIN 519	The performance criteria will be assessed each time the course is taught.

	teamwork for improving population health		SLO overall assessment will be based on an annual combination of all data.
9	Understand and discuss ethical concerns and conflicts of interests that arise in the field of public health	KIN 312, KIN 518	The performance criteria will be assessed each time the course is taught. SLO overall assessment will be based on an annual combination of all data.
Plan for annual faculty review of outcome data:			
Assessment data will be submitted by the responsible faculty to the program assessment committee prior to the beginning of classes the following semester. In January, the assessment committee will meet to discuss any immediate concerns. Overall program assessment will be completed using materials collected throughout the academic year.			