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**Consent Agenda Information**

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**College of Education (4-23-13)**

**Non-Expedited**  
**Undergraduate Curriculum and Course Change**

**Curriculum and Instruction**

**FROM:**

**Art (EDART) Teacher Licensure Program Licensure requirements (47 credit hours)**  
~~Students preparing for K-12 license must complete ART 425 Art for Elementary Schools and student teaching on both the elementary and secondary levels.~~

~~• Three additional art studio hours that build on prior course experience in that area Credits: (3)~~

- ART 100 - 2- Dimensional Design Credits: (3)
- ART 190 - Drawing I Credits: (3)
- ART 195 - Survey of Art History I Credits: (3)
- ART 196 - Survey of Art History II Credits: (3)
- ART 200 - 3- Dimensional Design Credits: (3)
- ART 210 - Drawing II Credits: (3)
- ART 220 - Water Media I Credits: (3)
- ART 245 - Intro to Oil Painting Credits: (3)
- ART 265 - Ceramics I Credits: (3)
- ART 270 - Metalsmithing I Credits: (3)
- ART 295 - Photography in Art I Credits: (3)
- ~~• ART 376 - Studio Art Exploration Credits: (3)~~
- ART 425 - Art for Elem Schools Credits: (3)
- ART 545 - Twentieth Century Art History I Credits: (3)

ART 690 - Techniques in Teaching Art Credits: (Variable)

**Additional requirements**  
Student teaching in both elementary and secondary schools. Participate in a portfolio review by three art faculty. A grade of C or higher in all art content classes.

**TO:**

**Art (EDART) Teacher Licensure Program Licensure requirements (47 credit hours)**

- ART 100 - 2- Dimensional Design Credits: (3)
- ART 190 - Drawing I Credits: (3)
- ART 195 - Survey of Art History I Credits: (3)
- ART 196 - Survey of Art History II Credits: (3)
- ART 200 - 3- Dimensional Design Credits: (3)
- ART 210 - Drawing II Credits: (3)
- ART 220 - Water Media I Credits: (3)
- **ART 230 – Sculpture I Credits: (3)**
- **ART 235 – Printmaking I Credits: (3)**
- ART 245 - Intro to Oil Painting Credits: (3)
- ART 265 - Ceramics I Credits: (3)
- ART 270 - Metalsmithing I Credits: (3)
- ART 295 - Photography in Art I Credits: (3)
- ART 425 - Art for Elem Schools Credits: (3)
- ART 545 - Twentieth Century Art History I Credits: (3)

ART 690 - Techniques in Teaching Art Credits: (Variable)

**Additional requirements**  
A grade of C or higher in all art content classes. Participate in a portfolio review by three art faculty **after ART 200 & 210.**  
Student teaching in both elementary and secondary schools.

**IMPACT:** We have worked with the Art Department and have their full support for this change.

**RATIONALE:** Replacing Art 376 Studio Art Exploration and an elective with Art 230 Sculpture and Art 235 Printmaking gives our students a program that is more aligned with the Kansas State Department of Education Standards for teacher preparation.

**EFFECTIVE DATE:** Fall 2013

## College of Business Administration (4-24-13)

### Non-Expedited Undergraduate Curriculum and Course Change

#### Marketing

##### **Add: Certificate in Professional Strategic Selling**

The Certificate in Professional Strategic Selling (PSS) will consist of 15 credit hours, one current core course in Business Administration and four courses related to sales:

##### **-Non-Marketing Majors**

##### **Professional Strategic Selling Certificate Core Courses:**

- MKTG 400 Principles of Marketing **Credits:** (3) (prerequisite: ECON 110 or 120) I, II
- MKTG 542 Professional Selling **Credits:** (3) I (prerequisite: MKTG 400) I, II
- MKTG 560 Sales Management **Credits:** (3) I (prerequisite: MKTG 542) I
- MKTG 570 Advanced Sales **Credits:** (3) I (prerequisite: MKTG 542) II

##### **-Marketing Majors**

##### **Professional Strategic Selling Certificate Core Courses:**

- MKTG 542 Professional Selling **Credits:** (3) I (prerequisite: MKTG 400) I, II
- MKTG 560 Sales Management **Credits:** (3) I (prerequisite: MKTG 542) I
- MKTG 570 Advanced Sales **Credits:** (3) I (prerequisite: MKTG 542) II

##### **Elective Course in Professional Strategic Selling –**

- **Non-Marketing Majors** choose one of the following four courses;

- **Marketing Majors** choose two of the following four courses---CANNOT INCLUDE MKTG 550):

- MKTG 550 Business Marketing **Credits:** (3) (prerequisite: MKTG 400) offered on sufficient demand
- MANGT 662 Procurement, Logistics & Supply Chain Design **Credits:** (3) (prerequisite: MANGT 421 or instructor permission) II
- COMM 323 Nonverbal Communication **Credits:** (3) I, II

COMM 526 Persuasion **Credits:** (3) II

#### **Rationale**

The purpose of the Certificate in Professional Strategic Selling (PSS) is to provide an opportunity for Kansas State University students to prepare for a career in sales.

#### **Impact On Other Units**

None

#### **Effective Date**

Fall 2013

**College of Technology and Aviation, K-State Salina (5-10-13)**

**Non-Expedited**  
**Undergraduate Course Additions**

**Department of Aviation**

**Primary Contact Person: Barney King, Aviation**  
**Phone: 785-826-2683**  
**Email: [kingb@ksu.edu](mailto:kingb@ksu.edu)**

**ADD:** **PPIL 353. Helicopter Turbine Transition Lab.** (1) Instruction and flight training in the design, performance, operating characteristics, and flight proficiency, for the safe operation of a turbine-powered helicopter. This course provides students the opportunity to enhance their knowledge and skills related to an entry-level turbine helicopter. Three hours lab a week. Pr.: PPIL 223 or PPIL 292.  
K-State 8:  
None

**RATIONALE:** This course will provide students an introduction to flying turbine powered helicopters.

**IMPACT:** No impact on other departments.

**EFFECTIVE DATE:** Fall 2013.

**ADD:** **PPIL 354. Night Vision Goggle Lab.** (1) Instruction and flight training in order to increase safety, situational awareness and mission operational capabilities during night flight while wearing night vision goggles. Upon completing FAA requirements, students may obtain a logbook or training record endorsement certifying they have completed the flight and ground training required to act as pilot in command of an aircraft using night vision goggles. Three hours lab a week. Pr.: PPIL 223 or PPIL 292.  
K-State 8:  
None

**RATIONALE:** This course will provide students an introduction to flying a helicopter with the aid of night vision goggles.

**IMPACT:** No impact on other departments.

**EFFECTIVE DATE:** Fall 2013.

## NON-EXPEDITED UNDERGRADUATE CURRICULUM DELETIONS

### Department of Engineering Technology

Primary Contact Person: Les Kinsler  
Engineering Technology Interim Department Head  
Phone: 785-826-2671  
Email: [kinsmo@k-state.edu](mailto:kinsmo@k-state.edu)

**DROP:** Associate of Technology in Engineering Technology, Construction Engineering Technology option (AETA-CN)

**RATIONALE:** This degree options has had chronic low enrollment. The department feels that departmental resources are better utilized in other degree options.

**IMPACT:** CET 410 Managerial and Engineering Economics will no longer be required by a degree in the Engineering Technology Department and could be cancelled unless students in other curricula are using the course as an elective. SPAN 110 Conversational Spanish will no longer be required by a degree in the Engineering Technology Department. The Department of Arts Sciences and Business has been notified and has replied with no objection.

**EFFECTIVE DATE:** Fall 2013

### Department of Arts Sciences and Business

Primary Contact Person: Don Von Bergen  
Arts, Sciences, & Business Department Head  
Phone: 785-826-2696  
Email: [dvb@k-state.edu](mailto:dvb@k-state.edu)

**DROP:** Associate of Applied Science in Applied Technologies, (AATECH)

**RATIONALE:** Graduation rates for this program have averaged less than three students per year over the last nine years. Enrollment has been consistently low, about two to five students, and has shown no improvement for several years. These figures are well below the minimum requirements set by the Kansas Board of Regents (25 majors and 10 graduates/year). The program is not part of the strategic plan for the Department or College.

**IMPACT:** No impact on any other department.

**EFFECTIVE DATE:** Fall 2013

## **Graduate course and curriculum changes (5-7-13)**

### **Non-Expedited Graduate Course Changes**

#### **Non-Expedited New Courses**

**ADD:** AGCOM 786. Topics in Agricultural Communications. (1-3). I, II, S. Examination of current topics in agricultural communications. Note: Varied specialized topics will be offered so course may be repeated.

**RATIONALE:** The program would use this course number to offer one-time topics courses that address timely subjects pertinent to the agricultural communications discipline. This course also will allow students in the Master's of Science in Agricultural Education and Communication with a communications focus to have special topics courses transcribed as AGCOM courses, which is relevant to their area of study.

**IMPACT:** This course will not impact any other programs in campus.

**EFFECTIVE DATE:** Fall 2013

**ADD:** AGCOM 820. Communicating Ethical Issues in Agriculture. (3). II. This course provides an introduction to communicating ethical theories in the context of agriculture. Ethical theory and current research are used to critique contemporary issues in agriculture. Three hours of lecture a week.

**RATIONALE:** Communication ethics is an important topic for future communicators to understand. This course takes the study of communication ethics and applies it in the context of agriculture and natural resources. Professional communications organizations, such as the American Agricultural Editors Association and the National Association of Farm Broadcasters, also view this as an important area as they recently have dedicated time and financial resources to member development in this area. This course is part of the Ag IDEA program.

**IMPACT:** Adding this course will not impact any other programs on campus.

**EFFECTIVE DATE:** Fall 2013

**ADD:** AGCOM 890. Master's Project. (1-2). I, II, S. The project is designed for students to complete a practitioner-based scholarly project that integrates theory, research and application in relationship to a current need or issue approved by the student's supervisory committee. While research is included in this project, the focus will be on demonstrating an ability to apply the knowledge and skills learned within the context of a for-profit or not-for-profit enterprise, school, community, organization or policy process.

**RATIONALE:** The Master's of Science in Agricultural Education and Communication was approved by the Kansas Board of Regents in May 2012. This graduate program has two emphasis areas – Agricultural Education and Agricultural Communication – and

students can do a graduate project or a Master's thesis. This course would allow students in the communications emphasis area to work on a graduate project and have the credit transcribed in AGCOM, relevant to their area of study.

IMPACT: This course will not impact any other programs on campus.

EFFECTIVE DATE: Fall 2013

ADD: AGCOM 899. Master's Thesis. (1-6). I, II, S. Students investigate an academic problem in their chosen area of interest and document this investigation in a thesis. The investigation integrates and applies knowledge from courses in the program to address unstructured problems. The thesis is a practice in applying scientific criteria on a problem or topic approved by the student's supervisory committee and also is practice in applying scientific methods.

RATIONALE: The Master's of Science in Agricultural Education and Communication was approved by the Kansas Board of Regents in May 2012. This graduate program has two emphasis areas – Agricultural Education and Agricultural Communication – and students can do a graduate project or a Master's thesis. This course would allow students in the communications emphasis area to work on their thesis and have the credit transcribed in AGCOM, relevant to their area of study.

IMPACT: This course will not impact any other programs on campus.

EFFECTIVE DATE: Fall 2013

ADD: ASI 677. Companion Animal Nutrition. (1) I, Even Years. This course is intended to be taken in sequence following Monogastric Nutrition 675. The course will cover the unique nature of nutrition for companion animals with an emphasis on the nutrition of dogs and cats. Details regarding dentition, digestion, metabolism and nutritional requirements will be covered. In addition, an overview of the nutrition of other minor companion species will be provided. Besides standard assessments methods students will be expected to review current research publications on the topic and provide written and oral presentations germane to the topic. Three hours lecture a week for five weeks. Pr. ASI 675.

RATIONALE: Companion animals such as dogs and cats have become a bigger part of our students' animal experiences - they live in some 62% of our homes. Companion animals are also increasingly being linked to improvements in human health and emotional well-being, guide and assistance for the handicapped, and service in the military, drug interdiction, and search & rescue. Their connection to people clearly goes beyond mere trivial luxury. The advancements in veterinary care have paralleled human health. However, management aspects such as reproduction, genetics, behavior and nutrition are often overlooked. Kansas State University is in the midst of developing a Pet Food Program with the development of courses and curriculum among various academic departments. Course work explores topics in companion animal management, pet food processing, and pet food sensory analysis. However, no dedicated courses have been established for the instruction in the unique aspects involved with companion animal nutrition. Within the Animal Science & Industry Department there exists a platform for this sort of course work with the Monogastric Nutrition plus species specific modules. Adding a companion animal nutrition module to complement the swine, poultry, and equine specific modules was part of the original design for this program. With the development of the Pet Food

Program we have now come to the right time in which to implement this module to the program.

**IMPACT:** This will add to the teaching load within the department. Faculty in the Grain Science Departments Feed Science & Management group have offered to assist.

**EFFECTIVE DATE:** Fall 2013

<b>Course Add</b>
<p><b>HN 729 Nutritional Oncology</b> Credits: (3) Students will gain understanding of basic cancer biology and methodology used to study nutrition and cancer relationships. Using current research as a basis, the role of nutrition in specific cancers will be explored. Students will learn about sources of information for cancer prevention programs, and how to apply this information to clinical patient management.</p> <p><b>When Offered:</b> Spring, even numbered years</p> <p><b>Pre-Requisite:</b> Admission to the Masters in Dietetics program through the Great Plains Interactive Distance Education Alliance (GPIDEA).</p> <p><b>K-State 8 TAG:</b> None</p>

**Rationale:** New course added for participation in the Master of Science in Dietetics through the Great Plains Interactive Distance Education Alliance (GPIDEA).

**Impact:** NONE

**Effective:** Spring 2014

<b>Course Add</b>
<p><b>KIN 801 Physical Activity: Physiology to Public Health Impact</b> Credits: (3) This graduate seminar covers the study of physical activity and its impact on public health across levels of analysis from basic exercise physiology to social ecology.</p> <p><b>When Offered:</b> Fall</p> <p><b>Pre-Requisite:</b> None</p> <p><b>K-State 8 TAG:</b> None</p>

**Rationale:** This new graduate course will provide a graduate level integration of the discipline of kinesiology from basic exercise physiology to public health impact. This course is designed



to be the first course in a students program of study. It is targeted toward graduate students who did not have a capstone experience in their undergraduate education that provided the context of their specialized graduate emphasis within the broader picture of the academic discipline.

**Impact: None**

**Effective: Fall 2013**

<b>Course Add</b>
<b>KIN 822 Advanced Muscle Physiology</b>  Credits: (3)  Course will examine current topics in muscle physiology. Format to include discussion of scientific papers, oral presentations, and debate of controversial topics.  <b>When Offered:</b> Spring  <b>Pre-Requisite:</b> <u>KIN 335 or permission of instructor</u>  <b>K-State 8 TAG:</b> None

**Rationale:** This course contributes to the M.S. and proposed Ph.D. in Human Ecology with specialization in Kinesiology. We are transitioning courses that were previously taught under different sections of KIN 796 Topics to a stand-alone graduate course number. This course has been taught several years in the past and has been included on programs of study of students conducting research in exercise physiology.

**Impact:** Course will be co-listed in Anatomy & Physiology as AP822. Department of Anatomy and Physiology proposals are before College of Veterinary Medicine for faculty vote, February 22, 2013.

**Effective: Spring 2014**

<b>Course Add</b>
<b>KIN 824 Physiology of Oxygen Transport</b> Credits: (3)  This course is designed to promote critical reading of the literature, particularly with respect to the understanding of exercise physiology and cardiorespiratory, vascular and muscle energetics responses. Activities will include presenting papers, debate and discussion regarding all aspects of science and scientific philosophy.  <b>When Offered:</b> Spring  <b>Pre-Requisite:</b> <u>KIN 335 or permission of instructor</u>  <b>K-State 8 TAG:</b> None

**Rationale:** This course contributes to the M.S. and proposed Ph.D. in Human Ecology with specialization in Kinesiology. We are transitioning courses that were previously taught under different sections of KIN 796 Topics to a stand alone graduate course number. This course has been taught several years in the past and has been included on programs of study of students conducting research in exercise physiology.

**Impact:** Course will be co-listed in Anatomy & Physiology as AP824. Department of Anatomy and Physiology proposals are before College of Veterinary Medicine for faculty vote, February 22, 2013.

**Effective: Spring 2014**

<b>Course Add</b>
<b>KIN 826 Advanced Cardiovascular Physiology</b> Credits: (3)  Discussion and critical examination of cardiovascular control mechanisms, with specific emphasis on regulation of blood pressure during severe challenges such as exercise, heat stress, and upright posture.  <b>When Offered:</b> Fall  <b>Pre-Requisite:</b> <u>KIN 335 or permission of instructor</u>

**Rationale:** This course contributes to the M.S. and proposed Ph.D. in Human Ecology with specialization in Kinesiology. We are transitioning courses that were previously taught under different sections of KIN 796 Topics to a stand alone graduate course number. This course has been taught several years in the past and has been included on programs of study of students conducting research in exercise physiology.

**Impact:** Course will be co-listed in Anatomy & Physiology as AP826. Department of Anatomy and Physiology proposals are before College of Veterinary Medicine for faculty vote, February 22, 2013.

**Effective: Spring 2014**

<b>Course Add</b>
<b>KIN 999 Dissertation Research</b>  Credits: (1-15)  <b>When Offered:</b> Fall, Spring, Summer  <b>Pre-Requisite:</b> None  <b>K-State 8 TAG:</b> None

**Rationale:** This new graduate course reflects the new doctoral program emphasis to be offered as an option under the College of Human Ecology doctoral degree.

**Impact:** None

**Effective:** Fall 2013

**Add:** **ME 615. Applications in Mechatronics.** (3) II. Application of Mechanical and Electronic engineering to design. Microcontrollers; sensors; analog-to-digital signal conversion; DC motor operation and pulse width modulation; drive train configuration; embedded C programming; competition at Engineering Open House.

**Note:** Three hours lecture a week.

**Requisites:** Pre-requisite: ME 400 or ECE 431. Co-requisite: ME 535 (not required if ECE 431 is taken)

**Rationale:** Mechatronics is the combination of Mechanical, Electronic, Computer, Control, and Systems Design engineering to create useful products. This course will provide an interdisciplinary, design-oriented, engineering experience requiring teamwork, attention to schedule, and a mixture of theoretical understanding and laboratory skills. A primary objective of this course is participation in a competition at the annual College of Engineering Open House. This course will provide students with the basic skills needed in modern design practice.

**Impact:** BAE offers the course BAE 640 - Instrumentation and Control for Biological Systems. We met with Prof. Zhang, who teaches the course, and determined that there is no conflict. He suggested that we change the name to Applications in Mechatronics, which we have done.

**Effective Date:** Spring 2014

**Add:** **ME 777. Monte Carlo Methods.** (3) II (even years). The objective of this course is to explore various methods of Monte Carlo for solving direct and inverse problems in engineering. The course covers probability distributions; laws of large numbers and Central Limit Theorem; pseudorandom number generation; sampling, scoring, and precision; variance reduction procedures; Markov chain Monte Carlo; inverse Monte Carlo; solution of linear operator equations; particle transport simulation.

**Requisites:** Pre-requisite: Math 240 or equivalent and knowledge of a programming language.

**Rationale:** Monte Carlo is a powerful numerical technique that is widely used to estimate solutions to a broad range of problems, including many engineering problems. This course explores various Monte Carlo methods for solving direct and inverse problems in science and engineering. It provides students with the skills needed to apply Monte Carlo

methods to practical problems. The course has been offered twice as a special topics course (Spring 2008 and Spring 2010) and it is proposed to offer it in Spring of even-numbered years.

**Impact:** None. Some of the material in this course is addressed in other courses, such as STAT 825 (simulation techniques), STAT 850 (conditional probability), STAT 851 (Markov chains), STAT 980 (probability theory, laws of large numbers, central limit theory), MATH 760 (theory of probability, random variables, expectations, limit theorems, Markov chains), and PHYS 802 (Monte Carlo simulations as one of ten topics). However, no single course covers all the topics that will be covered in this course.

**Effective Date:** Spring 2014

**Add:** **NE 737. Intermediate Radiation Measurement Applications.** (3) II (odd years) The course will cover physical principles and mathematical modeling of radiation-based measurement systems used in medical and non-medical applications. Topics include measurement principles and inverse methods, radio-gauging, radio-tracing, quantitative analysis methods, imaging with ionizing radiation, and radiation scanning. .

**Note:** Three hours lecture a week.

**Requisites:** Pre-requisite: NE 612, NE 690.

**Rationale:** The undergraduate and graduate offerings in Nuclear Engineering will be enhanced by addition of a course that covers the various measurement applications of ionizing radiation. Radiation is widely used in medicine, industry, and research and this course provides detailed treatment of many of the methods and systems employed. The course has been offered three times as a special topics course (Spring 2007, Spring 2009, and Spring 2011) and it is proposed to offer it in Spring of odd-numbered years.

**Impact:** None.

**Effective Date:** Spring 2014

**ADD:** **DMP 710. Introduction to One Health.** (2) I. One Health encompasses the complex interrelationships among humans, animals, and the environment. This online course provides a broad introduction to One Health, incorporating original videos of leading experts, case studies, and scientific readings. It addresses zoonotic diseases and environmental issues that impact human, animal, and ecosystem health. This is an online course. Pr.: Two courses in biology

**RATIONALE:** "One Health" is a concept that gained credence in recent years to articulate the interrelationships among human health, the health of companion animals, livestock, and wildlife, and the overall health of our environment. It reflects the recognition that human health is dependent on many factors, such as emerging zoonotic diseases, the blurring of the urban-suburban-rural interface, and the globalization of the food system on human health and well-being. It is anticipated that this interdisciplinary survey course will be of interest to advanced undergraduates and graduate students in a variety of disciplines, including agricultural and biological sciences, human, public, and veterinary health fields, and the social sciences. Learners will explore how the "one health" perspective

improves disease surveillance, enhances cross-disciplinary collaboration, and leads to practical problem-solving in relation to human, animal, and environmental health.

**Impact (i.e. if this impacts another college/unit): None**

**EFFECTIVE DATE:** Fall 2013

**ADD:** **DMP 725. GIS (Geographic Information System) Applications in Animal and Public Health. (2) I, II.** Explores the relevance/benefits of applying GIS (Geographic Information System) and the concept of spatial thinking in animal/public health research and practice. Health relevant GIS concepts and terminologies, nature and sources of geospatial data, their manipulation methods in a GIS environment, and spatial analysis techniques will be presented. PR: GEOG 508, GEOG 605 are recommended.

**RATIONALE:** Animal/Public health practice and research at its core call for multidisciplinary approaches. GIS (Geographic Information Systems) is by far one of the most efficient multidisciplinary technologies available today, and it is increasingly being used by public health researchers, health providers and in the public health sector in general, for understanding the dynamics of disease transmission/epidemiology, designing prevention strategies and for determining health-care logistics. GIS and other geospatial techniques makes it possible for analyzing and visualizing spatial nature of diseases and helps bringing together digital layers of information from multiple scientific disciplines and undertake inter-disciplinary research, which is often needed for developing sound, sustainable animal/public health systems.

The objective of this course is to introduce the relevance and benefits of using GIS in animal/public health fields. Students will be exposed to some basic GIS concepts and terminology, health related geospatial data collection and their manipulation methods in a GIS environment and other related software, as well as the spatial analysis techniques commonly used in solving health related issues. By the end of the course, students should have gained competencies in basic GIS terminologies, geospatial analysis principles, concepts, issues and applications as it relates to health.

**Impact (i.e. if this impacts another college/unit): Geography**

**EFFECTIVE DATE:** Fall 2014

**ADD:** **DMP 726. GIS (Geographic Information System) Applications in Animal and Public Health Lab. (1) I, II.** Through hands-on laboratory exercises, different technical methods of applying GIS for health data analysis, spatial analytical methods, model building, cartographic principles and geographic visualization are explored. PR: DMP 725 is required.

**RATIONALE:** Animal/Public health practice and research at its core call for multidisciplinary approaches. GIS (Geographic Information Systems) is by far one of the most efficient multidisciplinary technologies available today, and it is increasingly being used by public health researchers, health providers and in the public health sector in general, for understanding the dynamics of disease transmission/epidemiology, designing prevention strategies and for determining health-care logistics. GIS and other geospatial techniques makes it possible for analyzing and visualizing spatial nature of diseases and helps bringing together digital layers of information from multiple scientific disciplines and undertake inter-disciplinary research, which is often needed for developing sound, sustainable animal/public health systems.

The objective of this course is to introduce the relevance and benefits of using GIS in animal/public health fields. Students will be exposed to some basic GIS concepts and terminology, health related geospatial data collection and their manipulation methods in a GIS environment and other related software, as well as the spatial analysis techniques commonly used in solving health related issues. By the end of the course, students

should have gained competencies in basic GIS terminologies, geospatial analysis principles, concepts, issues and applications as it relates to health.

**Impact (i.e. if this impacts another college/unit): Geography**

**EFFECTIVE DATE:** Fall 2014

### **Non-Expedited Course Changes**

**FROM:** ~~ASI 658. Animal Growth and Development. I-(3) Principles of domestic animal growth and development of muscle, bone, and adipose tissue will be discussed. Three hours of lecture a week. Rec. Pr. A course in biochemistry.~~

**TO:** ASI 658. Animal Growth and Development. II (3) The molecular and endocrine mechanisms of prenatal and postnatal growth and development of muscle, bone, and adipose tissue will be discussed. Historical and current scientific literature will be reviewed and utilized to reinforce the topics covered. Three hours of lecture a week. Pr. ASI 533 and a course in biochemistry.

**RATIONALE:** Three changes are being requested for ASI 658. The first requested change involves switching the semester that the course is offered from the Fall to the Spring. The rationale behind this requested change lies in the fact that a Spring offering will allow students the opportunity to take ASI 533 in the Fall and then follow up that course with 658 in the Spring. Therefore, this will allow students the opportunity to take these courses as companion courses over two consecutive semesters without a summer break in between. Because this course builds off of 533, the students will better understand the topics in 658 and seamlessly transition into the material presented in 658. Additionally, the Spring semester will allow more opportunity for the course to utilize the Muscle Biology Laboratory to demonstrate key topics discussed in the course.

The second requested change to the course involves designating ASI 533 and “A course in biochemistry” as hard prerequisites. During the Fall 2012, there were no hard prerequisites for the course which allowed students of various experience and academic background to take the course. At the end of the semester I administered a survey asking the students about the prior courses they have taken and which courses helped them succeed in my course. The results of the survey indicated that the students that had not taken ASI 533 had a very difficult time in the course. The students that had taken ASI 533 commented that ASI 533 helped them succeed in my course because they had a basic knowledge of the tissues we were learning about. Finally, because much of the material I teach is molecular and involves endocrine signaling, a course in biochemistry would aid potential students in understanding the material.

The third requested change involves a change of the course description. As the description is written now, it is very vague and students are not given a fair indication of what the course offers.

**IMPACT:** No anticipated impact on other departments. Students taking this course already have biochemistry courses required in their curriculum.

**EFFECTIVE DATE:** Fall 2013

**FROM:** **ANTH 677 – Research Methods in Digital Ethnography.** (3) I, II. A hands-on exploration of the uses of digital technology for ethnographic research and representation.

**TO:** **ANTH 777 – Research Methods in Digital Ethnography.** (3) II. A hands-on exploration of the uses of digital technology for ethnographic research and representation.

**RATIONALE:** This course has been offered for 7 years. During this time, several graduate students have taken the course as it is the only course on campus that offers training in qualitative ethnographic research methods with an emphasis on using digital tools from the early phases of observational data gathering through data analysis and on to the final representation. However, as a 600-level course, some graduate students who felt like they needed the course were unable to include it on their plan of study because it would not count toward their degree. Furthermore, raising the course to the 700 level would place the course in its rightful place among the other methods courses we offer: ANTH 792- Linguistic Field Methods, ANTH 730 – Archaeological Field Methods, and ANTH 790 – Ethnographic Research Methods (currently under review).

**IMPACT:** Graduate students in other fields who need some background in Digital Ethnography will likely add this to their plan of study. For example, I have had requests from students pursuing Ed.D.s in Education, PhD in Computer Science, and Masters Degree candidates in Communications as well as students in other Arts & Sciences fields interested in pursuing a career related to Digital Humanities.

**EFFECTIVE DATE:** Spring 2014

**Non-Expedited Curriculum Changes and Additions**  
**College of Human Ecology**

<p><b>Change from:</b></p> <p><b>Foodservice, Hospitality Management and Dietetics Administration (M.S.)</b></p>	<p><b>Change to:</b></p> <p><b>Hospitality and Dietetics Administration (M.S.)</b></p>
<p><b>Admission</b></p> <p>The <del>Food Service</del>-Hospitality Management and Dietetics Administration M.S. is offered through the Hospitality Management and Dietetics graduate program. Admission to the program requires a bachelor’s degree from an accredited institution. Regular admission requires a grade point average of 3.0 on a 4.0 scale. Completion of the following prerequisite coursework is required for regular admission:</p>	<p><b>Admission</b></p> <p>The Hospitality and Dietetics Administration M.S. is offered through the Hospitality Management and Dietetics graduate program. Admission to the program requires a bachelor’s degree from an accredited institution. Regular admission requires a grade point average of 3.0 on a 4.0 scale. Completion of the following prerequisite coursework is required for regular admission:</p>

- management concepts
- marketing
- food production management and/or lodging management
- food safety and/or current ServSafe Certification

If these prerequisites are not met, the student may be admitted provisionally with the expectation that these deficiencies will be removed within the first two semesters at K-State.

Industry experience in some aspect of foodservice, hospitality management, or dietetics is preferred. If the student has no industry-related work experience, 1000 hours of such experience must be completed during the degree program.

All applicants are required to take the Graduate Record Examination or the Graduate Management Admission Test. International applicants are required to submit results from the Test of English as a Foreign Language. A TOEFL score of 570 (230 CB) is required for admission to M.S. and 600 (250 CB) to Ph.D. programs.

#### **M.S. program**

Application materials required include: application form; official transcript of all completed academic work; GRE or GMAT scores and TOEFL scores, if applicable; statement of objectives; resume; and three letters of recommendations. Application materials are reviewed by graduate faculty and recommendations forwarded to the Graduate School.

#### **Master's Degree Requirements**

Individual programs of study for the master of science degree are planned according to the background and interests of students. Students may choose one of the following plans:  
30 hours of graduate credit consisting of 24 hours of graduate course work and 6 hours of research for a thesis, or 36 hours of graduate course work and a written comprehensive examination and oral defense.

#### **Required course work for master of science (19 hours)**

- HMD 805 - Food Production Management  
**Credits: (3)**
- OR
- HMD 664 - Lodging Management Theory

- management concepts
- marketing
- food production management and/or lodging management
- food safety and/or current ServSafe Certification

If these prerequisites are not met, the student may be admitted provisionally with the expectation that these deficiencies will be removed within the first two semesters at K-State.

Industry experience in some aspect of foodservice, hospitality management, or dietetics is preferred. If the student has no industry-related work experience, 1000 hours of such experience must be completed during the degree program.

All applicants are required to take the Graduate Record Examination or the Graduate Management Admission Test. International applicants are required to submit results from the Test of English as a Foreign Language. A TOEFL score of 570 (230 CB) is required for admission to M.S. and 600 (250 CB) to Ph.D. programs.

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Application materials required include: application form; official transcript of all completed academic work; GRE or GMAT scores and TOEFL scores, if applicable; statement of objectives; resume; and three letters of recommendations. Application materials are reviewed by graduate faculty and recommendations forwarded to the Graduate School.

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30 hours of graduate credit consisting of 24 hours of graduate course work and 6 hours of research for a thesis, or 36 hours of graduate course work and a written comprehensive examination and oral defense.

#### **Required course work for master of science (19 hours)**

- HMD 805 - Food Production Management  
**Credits: (3)**
- OR
- HMD 664 - Lodging Management Theory



<p><b>Credits: (3)</b></p> <ul style="list-style-type: none"> <li>• HMD 810 - Research Techniques for Foodservice and Hospitality Management <b>Credits: (3)</b></li> <li>• HMD 885 - Seminar in Foodservice and Hospitality Management <b>Credits: (1)</b></li> <li>• HMD 890 - Administration of Foodservice and Hospitality Organizations <b>Credits: (3)</b></li> <li>• HMD 895 - Financial Management and Cost Controls for the Hospitality Industry <b>Credits: (3)</b></li> <li>• <del>STAT 702 – Statistical Methods for Social Sciences <b>Credits: (3)</b></del></li> <li>• <del>OR</del></li> <li>• <b>STAT 703 – Statistical Methods for Natural Scientists <b>Credits: (3)</b></b></li> <li>• ACCTG 810 - Accounting Concepts and Analysis <b>Credits: (3)</b></li> </ul> <p><b>Additional Courses if Completing the Thesis Option (11 hours):</b></p> <hr/> <p>Graduate Course (3)  Graduate Course (2)</p> <ul style="list-style-type: none"> <li>• HMD 899 - Research in Foodservice or Hospitality Management <b>Credits: (Var.)</b></li> </ul> <p><b>Additional Courses if Completing the Non-Thesis Option (17 hours):</b></p> <hr/> <p>Graduate Course (3)  Graduate Course (3)  Graduate Course (3)  Graduate Course (3)  Graduate Course (3)  Graduate Course (2)</p>	<p><b>Credits: (3)</b></p> <ul style="list-style-type: none"> <li>• HMD 810 - Research Techniques for Foodservice and Hospitality Management <b>Credits: (3)</b></li> <li>• HMD 885 - Seminar in Foodservice and Hospitality Management <b>Credits: (1)</b></li> <li>• HMD 890 - Administration of Foodservice and Hospitality Organizations <b>Credits: (3)</b></li> <li>• HMD 895 - Financial Management and Cost Controls for the Hospitality Industry <b>Credits: (3)</b></li> <li>• <b>STAT 703 – Introduction to Statistical Methods for the Sciences Natural Scientists <b>Credits: (3)</b></b></li> <li>• ACCTG 810 - Accounting Concepts and Analysis <b>Credits: (3)</b></li> </ul> <p><b>Additional Courses if Completing the Thesis Option (11 hours):</b></p> <hr/> <p>Graduate Course (3)  Graduate Course (2)</p> <ul style="list-style-type: none"> <li>• HMD 899 - Research in Foodservice or Hospitality Management <b>Credits: (Var.)</b></li> </ul> <p><b>Additional Courses if Completing the Non-Thesis Option (17 hours):</b></p> <hr/> <p>Graduate Course (3)  Graduate Course (3)  Graduate Course (3)  Graduate Course (3)  Graduate Course (3)  Graduate Course (2)</p>
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**Rationale:** Change in name of the on-campus Master of Science program from *Foodservice, Hospitality Management and Dietetics Administration* to *Hospitality and Dietetics Administration* is more concise and representative of our program focus. We believe that foodservice is subsumed in the terms hospitality and dietetics and thus can be deleted as a separate term. The term “dietetics” can stand alone as representing both management and clinical aspects of dietetics practice. Options for coursework in both aspects of dietetics are available through selection of appropriate courses on the student’s Program of Study.

The removal of STAT 702 Statistical Methods for Social Sciences (3) and STAT 703 Statistical Methods for Natural Sciences (3) course title change reflect changes within the Department of Statistics.

**Impact:** None

**Effective:** Fall 2013

Change From:	Change to:
<p><b>Human Ecology with Specialization in Foodservice and Hospitality Management (PhD)</b> (What currently shows in the Graduate Catalog)</p> <p><b>Human Ecology with Specialization in Institutional Management (PhD)</b> (What currently shows in the Registrar's system)</p> <p><b>Admission</b></p> <p>The Ph.D. in Human Ecology with Specialization in <b>Food Service and Hospitality Management</b> is offered through the Hospitality Management and Dietetics graduate program. The department participates in the PhD degree program awarded from the College of Human Ecology with a specialization in <b>Foodservice and Hospitality Management</b>. Admission to the PhD program requires the completion of a master's degree from an accredited institution. Regular admission requires a grade point average of 3.5 on a 4.0 scale in the master's degree program. Completion of the following prerequisite coursework is required for regular admission:</p> <ul style="list-style-type: none"> <li>• management concepts</li> <li>• marketing</li> <li>• food production management and/or lodging management</li> <li>• food safety and/or current ServSafe Certification</li> </ul> <p>If these prerequisites are not met, the student may be admitted provisionally with the expectation that these deficiencies will be removed within the first two semesters at K-State.</p> <p>Industry experience in some aspect of foodservice, hospitality management, or dietetics is preferred. If the student has no industry-related work experience, 1000 hours of such experience must be completed during the degree program.</p> <p>All applicants are required to take the Graduate Record Examination or the Graduate Management Admission Test. International</p>	<p><b>Human Ecology with Specialization in Hospitality and Dietetics Administration (PhD)</b></p> <p><b>Admission</b></p> <p>The Ph.D. in Human Ecology with Specialization in Hospitality <b>and Dietetics Administration</b> is offered through the Hospitality Management and Dietetics graduate program. The department participates in the PhD degree program awarded from the College of Human Ecology with a specialization in Hospitality <b>and Dietetics Administration</b>. Admission to the PhD program requires the completion of a master's degree from an accredited institution. Regular admission requires a grade point average of 3.5 on a 4.0 scale in the master's degree program. Completion of the following prerequisite coursework is required for regular admission:</p> <ul style="list-style-type: none"> <li>• management concepts</li> <li>• marketing</li> <li>• food production management and/or lodging management</li> <li>• food safety and/or current ServSafe Certification</li> </ul> <p>If these prerequisites are not met, the student may be admitted provisionally with the expectation that these deficiencies will be removed within the first two semesters at K-State.</p> <p>Industry experience in some aspect of foodservice, hospitality management, or dietetics is preferred. If the student has no industry-related work experience, 1000 hours of such experience must be completed during the degree program.</p> <p>All applicants are required to take the Graduate Record Examination or the Graduate Management Admission Test. International</p>

applicants are required to submit results from the Test of English as a Foreign Language. A TOEFL score of 600 (250 CB) is required for admission to the Ph.D. program. International applicants must also submit an Affidavit of Financial Support.

### **Ph.D. program**

Students desiring to apply for the Ph.D. submit the above materials to:

Ashley Lignitz, Graduate Program Admission Coordinator  
Kansas State University  
Department of Hospitality Management and Dietetics  
104 Justin Hall  
Manhattan, Kansas 66506-1404

The deadline for admission is February 1 for fall semester and August 1 for spring semester.

### **Doctoral Degree Requirements**

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The Ph.D. requires a minimum of 90 semester credit hours beyond the bachelor's degree, including 30 credit hours of dissertation research. The number of hours from a previously completed master's degree which may be counted toward the 90 hour requirement is decided by the student's supervisory committee and is reviewed by the chair of the College of Human Ecology Coordinating Committee and the Graduate School. A maximum of 30 hours may be transferred from a completed master's degree. A maximum of 9 credit hours can be transferred from graduate work completed after the master's degree at another accredited university. Doctoral students are required to pass both written and oral preliminary examinations prior to admission to candidacy.

### **Doctor of Philosophy Course Requirements**

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#### **Major Area (Minimum of 60 Credit Hours)**

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#### **Ph.D. (900-level) Courses (12 Credit Hours)**

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- HMD 975 - Research and Applied Theories in Consumer Behavior in Foodservice and Hospitality Management Credits: (3)
- OR
- a 900-level or equivalent course

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### **Doctor of Philosophy Course Requirements**

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#### **Major Area (Minimum of 60 Credit Hours)**

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#### **Ph.D. (900-level) Courses (12 Credit Hours)**

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- HMD 975 - Research and Applied Theories in Consumer Behavior in Foodservice and Hospitality Management Credits: (3)
- OR
- a 900-level or equivalent course

<ul style="list-style-type: none"> <li>• HMD 980 - Administration of Dietetics and Hospitality Programs Credits: (3)</li> <li>• HMD 985 - Advances in Foodservice and Hospitality Management Credits: (3)</li> <li>• HMD 995 - Grantsmanship and Publication Credits: (3)</li> </ul> <p><b>Dissertation Proposal Seminar (1 Credit Hour)</b></p> <hr/> <ul style="list-style-type: none"> <li>• HMD 990 - Dissertation Proposal Seminar Credits: (1)</li> </ul> <p><b>Other Coursework in Major Area (17 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• HMD 805 - Food Production Management Credits: (3)</li> <li>• HMD 885 - Seminar in Foodservice and Hospitality Management Credits: (1)</li> <li>• HMD 890 - Administration of Foodservice and Hospitality Organizations Credits: (3)</li> <li>• HMD 895 - Financial Management and Cost Controls for the Hospitality Industry Credits: (3)</li> <li>• Other HMD Graduate Courses Credits: (7)</li> </ul> <p><b>Dissertation Research (30 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• HMD 999 - Research in Foodservice or Hospitality Management Credits: (Var.)</li> </ul> <p><b>Supporting Areas (22 Credit Hours)</b></p> <hr/> <p><b>Research Skills (10 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• <del>STAT 702 – Statistical Methods for Social Sciences Credits: (3)</del></li> <li>• <del>OR</del></li> <li>• STAT 703 - <del>Statistical Methods for Natural Scientists</del> Credits: (3)</li> <li>• STAT 704 - Analysis of Variance Credits: (2)</li> <li>• AND</li> <li>• STAT 705 - Regression and Correlation Analyses Credits: (2)</li> <li>• OR</li> <li>• STAT 713 - Applied Linear Statistical Models Credits: (4)</li> </ul> <ul style="list-style-type: none"> <li>• STAT 720 - Design of Experiments Credits: (3)</li> <li>• OR</li> <li>• EDCEP 917 - Experimental Design in Educational Research Credits: (3)</li> </ul>	<ul style="list-style-type: none"> <li>• HMD 980 - Administration of Dietetics and Hospitality Programs Credits: (3)</li> <li>• HMD 985 - Advances in Foodservice and Hospitality Management Credits: (3)</li> <li>• HMD 995 - Grantsmanship and Publication Credits: (3)</li> </ul> <p><b>Dissertation Proposal Seminar (1 Credit Hour)</b></p> <hr/> <ul style="list-style-type: none"> <li>• HMD 990 - Dissertation Proposal Seminar Credits: (1)</li> </ul> <p><b>Other Coursework in Major Area (17 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• HMD 805 - Food Production Management Credits: (3)</li> <li>• HMD 885 - Seminar in Foodservice and Hospitality Management Credits: (1)</li> <li>• HMD 890 - Administration of Foodservice and Hospitality Organizations Credits: (3)</li> <li>• HMD 895 - Financial Management and Cost Controls for the Hospitality Industry Credits: (3)</li> <li>• Other HMD Graduate Courses Credits: (7)</li> </ul> <p><b>Dissertation Research (30 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• HMD 999 - Research in Foodservice or Hospitality Management Credits: (Var.)</li> </ul> <p><b>Supporting Areas (22 Credit Hours)</b></p> <hr/> <p><b>Research Skills (10 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• STAT 703 – <del>Introduction to</del> <del>the Sciences</del> Statistical Methods for <del>the Sciences</del> Credits: (3)</li> <li>• STAT 704 - Analysis of Variance Credits: (2)</li> <li>• AND</li> <li>• STAT 705 - Regression and Correlation Analyses Credits: (2)</li> <li>• OR</li> <li>• STAT 713 - Applied Linear Statistical Models Credits: (4)</li> </ul> <ul style="list-style-type: none"> <li>• STAT 720 - Design of Experiments Credits: (3)</li> <li>• OR</li> <li>• EDCEP 917 - Experimental Design in Educational Research Credits: (3)</li> </ul>
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<p><b>Course in Research Methods (3 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• HMD 810 - Research Techniques for Foodservice and Hospitality Management Credits: (3)</li> </ul> <p><b>Other Supporting Courses (9 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• ACCTG 810 - Accounting Concepts and Analysis Credits: (3)</li> <li>• EDCI 943 - Principles of College Teaching Credits: (3)</li> <li>• Graduate Course Elective (formal course, not independent study) Credits: (3)</li> </ul> <p><b>Notes</b></p> <hr/> <p>Research, seminar, or other independent study hours will not be transferred from a master's degree into the Ph.D. program of study. No courses with a grade below a B will be accepted from a master's degree into the Ph.D. program of study.</p>	<p><b>Course in Research Methods (3 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• HMD 810 - Research Techniques for Foodservice and Hospitality Management Credits: (3)</li> </ul> <p><b>Other Supporting Courses (9 Credit Hours)</b></p> <hr/> <ul style="list-style-type: none"> <li>• ACCTG 810 - Accounting Concepts and Analysis Credits: (3)</li> <li>• EDCI 943 - Principles of College Teaching Credits: (3)</li> <li>• Graduate Course Elective (formal course, not independent study) Credits: (3)</li> </ul> <p><b>Notes</b></p> <hr/> <p>Research, seminar, or other independent study hours will not be transferred from a master's degree into the Ph.D. program of study. No courses with a grade below a B will be accepted from a master's degree into the Ph.D. program of study.</p>
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**Rationale:** The name of the doctoral program in the Department of Hospitality Management and Dietetics shows in the Graduate Catalog as “Human Ecology with Specialization in Food Service and Hospitality Management (PhD).” We wish to change the name to “Human Ecology with Specialization in Hospitality and Dietetics Administration (PhD)”.

A second modification needs to occur in the Registrar's system. Currently, the Registrar's system says “Human Ecology with Specialization in Institutional Management”. A change also needs to be made in the Registrar's system to “Human Ecology with Specialization in Hospitality and Dietetics Administration (PhD)” so that everything is in agreement. The term *Institutional Management* is a dated term which needs to be deleted.

The removal of STAT 702 Statistical Methods for Social Sciences (3) and STAT 703 Statistical Methods for Natural Sciences (3) course title change reflect changes within the Department of Statistics.

**Impact:** None

**Effective:** Fall 2013

## **Department of Kinesiology**

### PhD in Human Ecology with specialization in Kinesiology

#### **Human Ecology with Specialization in Kinesiology (Ph.D.)**

The Department of Kinesiology participates in the Ph.D. program in Human Ecology with a specialization in Kinesiology. Students are prepared to conduct research in exercise physiology or public health physical activity.

#### **Doctoral Degree Requirements**

The Ph.D. requires a minimum of 90 semester credit hours beyond the bachelor's degree, including 30 credit hours of dissertation research. The number of hours from a previously completed master's degree which may be counted toward the 90 hour requirement is decided by the student's supervisory committee and is reviewed by the chair of the College of Human Ecology Coordinating Committee and the Graduate School. A maximum of 30 hours may be transferred from a completed master's degree. A maximum of 9 credit hours can be transferred from graduate work completed after the master's degree at another accredited university. Doctoral students are required to pass both written and oral preliminary examinations prior to admission to candidacy.

- 90 credit hours minimum
- 30 hours minimum of research
- 15 hours minimum at the 800 level or above
- 6 credit hours maximum at the 500 level
- 6 credit hours maximum of independent study
- 30 hours maximum from master's degree
- Dissertation: preparing three or more papers for publication in exercise physiology or public health physical activity.

#### **Doctor of Philosophy Course Requirements**

#### **Major Area (Minimum of 60 Credit Hours)**

**Ph.D. Common Core Courses (6 Credit Hours)**

- KIN 801 Physical Activity: Physiology and Public Health Impact Credits: (3)
- KIN 815 Research Methods in Kinesiology Credits: (3)

**Other Coursework in Major Area (14 Credit Hours)**

Students develop a plan of study with their major professor and graduate committee to develop an expertise in exercise physiology or public health physical activity. Students may select from the list below or other courses to fulfill the requirement

Exercise Physiology

Choose from the following courses:

- KIN 601 - Cardiorespiratory Exercise Physiology Credits: (3)
- KIN 603 - Cardiovascular Exercise Physiology Credits: (3)
- KIN 605 - Topics in the Biological Basis Credits: (1-3)
- KIN 607 - Muscle Exercise Physiology Credits: (3)
- KIN 609 - Environmental Physiology Credits: (3)
- KIN 625 - Exercise Testing and Prescription Credits: (3)
- KIN 635 - Nutrition and Exercise Credits: (3)
- KIN 650 - Development of Motor Control Credits: (3)
- KIN 657 - Therapeutic Use of Exercise in the Treatment of Disease Credits: (3)
- KIN 792 - Health-Fitness Instructor Internship Credits: (3)
- KIN 800 - Advanced Physiology of Exercise Credits: (3)
- KIN 822 – Advanced Muscle Physiology Credits: (3)
- KIN 824 – Physiology of Oxygen Transport Credits: (3)
- KIN 826 – Advanced Cardiovascular Physiology Credits: (3)
- KIN 896 - Independent Study in Kinesiology Credits: (1-4)

Public Health Physical Activity

Choose from the following courses:

- KIN 602 - Gender Issues in Sport and Exercise Credits: (3)

- KIN 604 - Exercise and Mental Health **Credits: (3)**
- KIN 606 - Topics in the Behavioral Basis of Kinesiology **Credits: (1-3)**
- KIN 608 - Body Image, Eating Disorders & Obesity **Credits: (3)**
- KIN 610 - Program Planning and Evaluation **Credits: (3)**
- KIN 612 - Built Environment and Physical Activity **Credits: (3)**
- KIN 655 - Fitness Promotion **Credits: (3)**
- KIN 703 - Minority Groups in Sport **Credits: (3)**
- KIN 793 - Intrnship/Public Health Physical Activity **Credits: (1-8)**
- KIN 797 - Topics in Public Health Physical Activity Behavior **Credits: (1-4)**
- KIN 805 - Physical Activity and Human Behavior **Credits: (3)**
- KIN 808 - Social Epidemiology of Physical Activity **Credits: (3)**
- KIN 818 - Social and Behavioral Bases of Public Health **Credits: (3)**
- KIN 820 - Physical Activity Leadership **Credits: (3)**
- KIN 835 - Group Dynamics and Physical Activity **Credits: (3)**
- KIN 840 - Public Health Field Experience **Credits: (3-6)**
- KIN 845 - Exercise Adherence **Credits: (3)**
- KIN 855 - Exercise Psychology in Special Populations **Credits: (3)**
- KIN 896 - Independent Study in Kinesiology **Credits: (1-4)**

#### **Supporting Statistic Courses (10 Credit Hours)**

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- STAT 703 Introduction to Statistical Methods for the Sciences **Credits: (3)**
  - STAT 704 Analysis of Variance **Credits: (2)**
  - STAT 705 Regression and Correlation Analyses **Credits:**



	<p><u>(2)</u></p> <ul style="list-style-type: none"> <li>• <u>STAT 720 Design of Experiments Credits: (3)</u></li> </ul> <p><b><u>Dissertation Research (30 Credit Hours)</u></b></p> <hr/> <ul style="list-style-type: none"> <li>• <u>KIN 999 Dissertation Research Credits: (30)</u></li> </ul>
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**Rationale:** Kinesiology is the scientific study of physical activity examining the person, environment, and physical activity interactions that result in adaptations from cell to society. The field is consistent with a human ecological approach to the study of physical activity. Therefore, this curriculum defines an emphasis within the Ph.D. in Human Ecology in Kinesiology. The Department of Kinesiology faculty members have a long and successful history of chairing doctoral committees for students seeking Ph.D. degrees in Anatomy & Physiology and in Human Nutrition. Offering a Ph.D. in Human Ecology with an emphasis in Kinesiology will better represent the plan of study of students seeking Ph.D. education in this content area. In addition, offering this emphasis area will assist in marketing current Ph.D. education activities and will contribute to meeting the 2025 goals of increasing the number of Ph.D. students at Kansas State University.

**Impact:** None

**Effective:** Fall 2013