

College of Agricultural Sciences and Natural Resources
Curriculum Committee
Summary of Actions
October 13, 2017

¹ Faculty Action

Unit Title and Number	Type of Action Requested Courses (new, revisions, deletions, ACE certification and recertification)	Approved CASNR	Approved CASNR Faculty	Approved UCC	Approved Graduate Council
AECN 391 - Special Topics	Change of Title AECN 391. Special Topics in Agricultural Economics (1-3 cr) Lec 3. Permission Readings, discussion, and analysis of current theory, issues, problems, research, and practice in agricultural economics, natural resource economics, and agribusiness. Topics vary.	10/13/17			
AECN 399 - Independent Study in Agricultural Economics	Change of Number to 396 AECN 396. Independent Study in Agricultural Economics (1-5 cr, 5 cr per sem) Ind. Prereq: Permission and advance approval of independent study contract at the start of each semester. P/N only. Individual or group projects in research, literature review, or extension of course work under supervision and evaluation of a departmental faculty member.	10/13/17			
ASCI 340 - Animal Physiological Systems	Change of Prerequisites ASCI 340. Animal Physiological Systems (4 cr 1) Lec 3, lab 2. Prereq: LIFE 120/121; CHEM 109/110; MATH 102, 103, 104, or 106. A comprehensive look at the major physiological systems that comprise the mammalian body. Anatomical organization and functionality of the nervous system, muscle, cardiovascular system, respiratory system, digestive system, urinary system, reproductive system, endocrine system, and immune system. Labs offer hands-on learning experiences through dissections, clinical demonstrations, and interactive multimedia.	10/13/17			
FDST 452/852 - Physical Chemistry of Foods	New Course FDST 452/852. Physical Chemistry of Foods (2 cr) Lec 1, rct 1. Prereq: FDST 448/848 or instructor approval. The basic theory of physical chemistry that is relevant in food science and technology. Understand and predict changes occurring in a food during processing, storage, and handling using physical chemistry theory. Design and improvement of processes to make foods having specific qualities in an efficient way.	10/13/17			
FORS 300 - Forensic Taphonomy	Change When Offered FORS 300. Forensic Taphonomy (3 cr 1) Lec 3. Prereq: LIFE 120/121, CHEM 109/110, and FORS 120/L or instructor permission. Forensic application of processes associated with decomposition and preservation of organic materials.	10/13/17			

FORS 400 - Crime Scene Investigation	Change When Offered FORS 400. Crime Scene Investigation (3 cr I) Lec 3. Prereq: FORS 120/L, FORS 200 and FORS 411 or instructor permission. Identification, collection, preservation, presentation of physical evidence. Ethics and chain of custody.	10/13/17			
HORT 100 - Plants, Landscapes, and the Environment	ACE 4 New Course (ACE 4) HORT 100. Plants, Landscapes, and the Environment (AGRO 100, TLMT 100) (3 cr I, II) Lec 3. Introduction to a diverse range of plant and landscape systems and management strategies for balancing economic and environmental sustainability. Foundational principles of plant biology, landscape ecology, and environmental science using real-world case studies.	10/13/17			
NRES 452/852 - Climate and Society	Change of Prerequisites NRES 452/852. Climate and Society (AGRO 450/850, GEOG 450/850, METR 450/850) (3 cr II) Lec. Prereq: METR 100 or NRES 370 or equivalent <u>Junior standing or above</u> . Offered spring semester of even-numbered calendar years. Impact of climate and extreme climatic events on society and societal responses to those events. Global in scope and interdisciplinary.	10/13/17			
PLPT 369 - Introductory Plant Pathology	Change of Prerequisites and Description ES IS PLPT 369. Introductory Plant Pathology (BIOS 369) (3 cr I) Lec, lab. Prereq: AGRO 131/HORT 131, or LIFE 120 and 120L, or BIOS 109. BIOS 101 and 101E Introduction to the study of plant diseases including relation of plant disease to crop production, environment, and society. man.. Examples and demonstrations emphasize horticultural and agronomic crops of Nebraska. Organisms that cause disease and their interactions with plants. Strategies for plant disease management.	10/13/17			
PLPT 370 - Biology of Fungi	Deletion of Course PLPT 370. Biology of Fungi (AGRO 370, HORT 370) (3 cr I) Prereq: 8 hrs biological sciences. Survey of fungi in natural and human ecosystems: symbiotic relationships; as disease agents in humans, animals, and plants; applications in food, agricultural, and pharmaceutical industries; historical and current impacts on society.	10/13/17			
PLPT 963 - Genetics of Host-Parasite Interaction	Removal of BIOS Crosslisting PLPT 963. Genetics of Host-Parasite Interaction (AGRO 963, BIOS 963, HORT 963) (3 cr II) Lec 3. Prereq: BIOS 820; and permission. BIOC 837; BIOS 312; and PLPT 801 or 802 recommended. PLPT 963 is offered odd-numbered calendar years.	10/13/17			
PLPT 965 - Plant Virology	Removal of BIOS Crosslisting PLPT 965. Plant Virology (AGRO 965, BIOS 965, HORT 965) (3 cr II) Lec 3. Prereq: PLPT 801 or 802; and permission. PLPT 865 is offered odd-numbered calendar years. Virus molecular biology; virosphere; virus-vector relationships; plant resistance to virus infection economic impact and control of plant diseases by viruses.	10/13/17			

PLPT 968 - Seminar in Plant Pathology	<p>Removal of BIOS Crosslisting PLPT 968. Seminar in Plant Pathology (AGRO 968, BIOS-968, HORT 968) (1 cr per sem II) Lec 1. Prereq: Permission.</p>	10/13/17			
TLMT 95/295 - Turfgrass and Landscape Management Extended Internship	<p>Change of Number, Description and Prerequisites TLMT 95/295. Turfgrass and Landscape Management Extended Internship (1-12 cr, max 12) Fld. Prereq: Sophomore standing; TLMT/AGRO/HORT/PGAM 227 or 228. <i>TLMT 95/295 requires advanced permission before registering for the course.</i> Written and oral reports are required at the completion of the career experience-internship. Pass/No Pass only. Participation in a turfgrass or landscape management enterprise other than one in which the student has had previous experience.</p>	10/13/17			
VBMS 303 - Principles and Prevention of Livestock Diseases	<p>Change of Prerequisites VBMS 303. Principles and Prevention of Livestock Diseases (3 cr II) Prereq: Juniors and seniors; ASCI 240 or ASCI 340 or BIOS 213 and BIOS 213L. <i>BIOS 300 or BIOS 312 recommended, or permission.</i> Management techniques in the control of metabolic, infectious, and parasitic diseases of domestic animals and understanding of basic concepts of the important diseases of livestock.</p>	10/13/17			
VBMS 403 - Integrated Principles and Prevention of Livestock Disease	<p>Change of Prerequisites (ACE 10) [IS] VBMS 403. Integrated Principles and Prevention of Livestock Diseases (4 cr II) Prereq: ASCI 240 340 or BIOS 213 and BIOS 213L, BIOS 312, CHEM 251. Capstone course. Emphasizes integrated management techniques of livestock, and understanding the basic integrated concepts of the important diseases of domestic animals. Biotechnology in animal health and current issues in management practices to control diseases.</p>	10/13/17			
VBMS 408/808 - Functional Histology	<p>Change of Prerequisites VBMS 408/808. Functional Histology (BIOS 408/808) (4 cr I) Lec 3, lab 2. Prereq: BIOS 101 and 101L or LIFE 120 and 120L or BIOS 112; BIOS 213 or ASCI-240 340. <i>BIOS 315 recommended.</i> Microscopic anatomy of the tissues and organs of major vertebrate species, including humans. Normal cellular arrangements of tissues and organs as related to their macroscopic anatomy and function, with reference to sub-cellular characteristics and biochemical processes. Functional relationships among cells, tissues, organs and organ systems, contributory to organismal well being. General introduction to pathological processes and principles underlying some diseases.</p>	10/13/17			

<p>VBMS 410 - General Pharmacology and Toxicology</p>	<p>Move Recommended Courses to Note [IS] VBMS 410. General Pharmacology and Toxicology (3 cr I) Lec 3. Prereq: BIOS 213, ASCI 240, or ASCI 340; BIOC 321 or BIOC/BIOS/CHEM 431/831; or equivalent. <i>Recommended: CHEM 252 and 254; BIOC/BIOS/CHEM 432/832 and 433/833.</i> Basic principles and sciences of drug action (as therapeutic agents) and of adverse (toxic) effects of harmful chemical substances. Discussion of these concepts as they relate to animal production and care, regulatory concerns, legal and ethical decisions, human and animal health hazards, food safety, and environmental contamination.</p>	<p>10/13/17</p>		
<p>VBMS 417 - Neurobiology Cells to Senses</p>	<p>Deletion of Course (ACE-10) VBMS 417. Neurobiology: Cells to Senses (4 cr) Lec 4, rec 0. Prereq: Two semesters each of Biology and Chemistry recommended. Permission of the instructor required. Capstone course: Neurobiology, by its very nature, integrates the studies of biology, chemistry, physics, biochemistry, physiology, and anatomy. Introduction to cellular and systems neurobiology, culminating in individual projects focusing on the effects of neuropathological disorders or diseases. Active participation in classroom discussion expected.</p>	<p>10/13/17</p>		
<p>VBMS 424/824 - Basic Molecular Infections</p>	<p>Change of Prerequisites VBMS 424/824. Basic Molecular Infectious Diseases (3 cr II) Prereq: BIOS 312 or permission. Offered spring semester of odd-numbered calendar years. Introduction to the molecular, genetic and cellular aspects of microbial pathogenesis in humans and animals.</p>	<p>10/13/17</p>		
<p>VBMS 441/841 - Pathogenic Microbiology</p>	<p>Change of Prerequisites VBMS 441/841. Pathogenic Microbiology (BIOS 441/841) (3 cr II) Lec 3. Prereq: BIOS 312. and either 313 or 314, or permission. Fundamental principles involved in host-microorganism interrelationships. Identification of pathogens, isolation, propagation, mode of transmission, pathogenicity, symptoms, treatment, prevention of disease, epidemiology, and methods of control.</p>	<p>10/13/17</p>		
<p>VBMS 441L/841L - Pathogenic Microbiology Laboratory</p>	<p>Change of Prerequisites VBMS 441/841. Pathogenic Microbiology Laboratory (BIOS 441/841) (3 cr II) Lec 3. Prereq: BIOS 312 and either 313 or 314, or permission. Fundamental principles involved in host-microorganism interrelationships. Identification of pathogens, isolation, propagation, mode of transmission, pathogenicity, symptoms, treatment, prevention of disease, epidemiology, and methods of control.</p>	<p>10/13/17</p>		
<p>New degree programs, options, specializations, certificates, minors (undergraduate and graduate)</p>				
<p>None</p>				
<p>Curriculum Committee Approval Only: Substitution/waivers, student appeals, bulletin copy (format, consistency, accuracy, editorial), operating procedures for the curriculum committee</p>				

None

Informational Items: Tabled items, calendar of meetings and deadlines, changes in membership, program changes in degree program that do not include the college core, ACE assessment reports

AGRO 428/828 - Bioinformatics Applications in Agriculture - New course
FORS 411 - Overview of Forensic Comparative Analysis Lab - Change of prerequisites
TLMT 395 - Career Experience - Change from graded to P/NP

¹ If you have specific questions or concerns; please visit with your CASNR Curriculum Committee Representative to discuss the specific agenda item.

Any unit or group of at least five (5) faculty may challenge a decision of the Committee that requires faculty action by filing a written objection. The unit administrator will coordinate the written response to the Dean by October 30, 2017. Unless the concerns can be resolved with clarification, revision and/or withdrawal and re-submission, the matter in question will be brought before the full faculty for discussion, debate and vote. If no written objections are properly filed, the action will be considered approved by the College faculty and either implemented or forwarded to the appropriate University Committee (University Curriculum Committee, Graduate Council and/or Academic Planning Committee) with the faculty recommendation for approval.

² The CASNR Curriculum Committee serves as the Parent Unit for the following degree programs:

B.S. in Applied Science, B.S. in Environmental Studies, B.S. in Forensic Science, B.S. in Integrated Science, B.S. in PGA Golf Management, B.S. in Grassland Studies, Master of Applied Science and Doctor of Plant Health.

The Center for Grassland Studies serves as the hosting unit for the PGA Golf Management Program.



No approval needed