


**College of Agricultural Sciences and Natural Resources
Curriculum Committee
Summary of Actions
September 8, 2017**

¹ Faculty Action

Unit Title and Number	Courses (new, revisions, deletions, ACE certification and recertification)	Approved CASNR	Approved CASNR Faculty	Approved UCC	Approved Graduate Council
AECN 20 - Seminar in Agricultural and Applied Economics	<p>New Course AECN 20. Seminar in Agricultural and Applied Economics (0 cr I, II) Lec 1. This seminar is for students with sophomore standing or first-year transfer students with a major in the Department of Agricultural Economics. Overview of the agricultural and applied economics field, highlighting the broad range of topics that agricultural and applied economists work on. Student involvement (campus organizations, research, and study abroad) and career opportunities will also be discussed.</p>	9/8/17			
AGEN 424/824 - Machine Design in Agricultural Engineering	<p>Change of Prereq. [IS] AGEN 424/824. Machine Design in Agricultural Engineering (3 cr I) Lec 3. Prereq: Senior standing; <u>AGEN 324</u>; and <u>MECH 130</u> Design of machine elements. Definition, analysis, and solution of a design problem in agricultural engineering.</p>	9/8/17			
ALEC 102 - Interpersonal Skills for Leadership	<p>Change of Prereq. and Addition of Note (ACE 2) [ES] [IS] ALEC 102. Interpersonal Skills for Leadership (3 cr) Lec. Prereq: Open to Freshman or Sophomores, or Agricultural Education degree students, or Leadership & Communication Minor students, or Leadership & Entrepreneurship Minor students. <u>Credit for both ALEC 102 and ENGR 100 is not allowed.</u> Introduction to the principles and practices of positive interpersonal relationships for leadership development. Self-awareness, awareness of others, effective interpersonal communication, and the building of trust relationships as a basis for understanding and developing leadership. An experiential approach, field projects and a supervised service project.</p>	9/8/17			
ASCI 322 - Equine Nutrition	<p>Addition of Note ASCI 322. Equine Nutrition (2 cr II) Lec 2. Offered in odd numbered calendar years. <u>ASCI 320 recommended.</u> Equine nutrition including digestive anatomy and physiology. Nutritional requirements of horses as related to growth, reproduction, and performance. The relationship of nutrition to disease and environment. Management practices and application of current equine nutritional research.</p>	9/8/17			

BSEN 244 - Thermodynamics of Living Systems	<p>Change of Prereq. BSEN 244. Thermodynamics of Living Systems (3 cr II) Lec 3. Prereq: CHEM 110 or 114; MATH 107; PHYS 211; LIFE 120 or parallel</p> <p>Introduction to the laws of thermodynamics and their application to biological and environmental systems. Zeroth, first, second, and third laws; open and closed systems; enthalpy and specific heat; and Gibb's free energy and chemical potentials for biological and environmental systems. Applications to biochemical potentials, water potential, absorption, osmosis, radiation, membranes, surface tension, and fugacity. Thermodynamic cycles as they apply to living systems.</p>	9/8/17			
BSEN 455/855 - Nonpoint Source Pollution Control Engineering	<p>Change of Prereq. BSEN 455/855. Nonpoint Source Pollution Control Engineering (CIVE 455/855) (3 cr I) Prereq: BSEN 326/CIVE 326 or BSEN 355; AGEN/BSEN 350 or CIVE 352 as prerequisite or parallel.</p> <p>Identification, characterization, and assessment of nonpoint source pollutants; transport mechanisms and remediation technologies; design methodologies and case studies.</p>	9/8/17			
ENTO 828 - Scientific Illustration	<p>Change of Number from 826 and Addition of Crosslisting ENTO 828 . Scientific Illustration (AGRI 828, AGRO 828, HORT 828) (3 cr) Ind. Prereq: 12 hrs agricultural and/or biological sciences.</p> <p>Prepare scientifically accurate, high quality illustrations and graphics for the teaching, presentation, and publication of scientific information. Drawing techniques, drafting, copyright, and publication and presentation of scientific art work.</p>	9/8/17			
NRES 361 - Soils, Environment and Water Quality	<p>Change of Prereqs. NRES 361. Soils, Environment and Water Quality (AGRO 361, GEOL 361, SOIL 361, WATS 361) (3 cr II) Lec 3. Prereq: AGRO/HORT/SOIL 153; MATH 102 or above; two semesters chemistry (CHEM 105, 106 or CHEM 109, 110) and WATS/GEOG/NRES 281</p> <p>Chemical and physical processes that influence the fate and transport of contaminants (inorganic, organic, microbial) in soil-water environments. Extent, fate, mitigation and impact of various sources of pollution. Remedial technologies used for environmental restoration of contaminated environments.</p>	9/8/17			
NRES 801 - Topics in Applied Ecology	<p>New Course NRES 801. Topics in Applied Ecology (2 cr I) Lec 2.</p> <p>A survey of ecological and sociological frameworks used in the applied ecological research. Emphasis on fisheries and wildlife, grasslands, forests, aquatic habitats, and human dimensions of natural resources.</p>	9/8/17			
STAT 825 - Principles of Statistical Consulting and Interdisciplinary Collaboration	<p>Change of Prereq. STAT 825. Principles of Statistical Consulting and Interdisciplinary Collaboration (3 cr) Lec 3. Prereq: STAT 822 or instructor permission.</p> <p>Introduction to the role and purpose of statistical consulting and interdisciplinary collaboration. Topics include: asking good questions, dealing with difficult clients, communicating statistics to non-statisticians, determining solutions, and collaborating.</p>	9/8/17			

<p>STAT 877 - Introduction to Mixed Model Analysis</p>	<p>New Course STAT 877. Introduction to Mixed Model Analysis (3 cr II) Lec 3. Prereq: STAT 802 Practical application of mixed models for data analysis, estimation, prediction, and testing. This course covers linear mixed models (LMM) for normally distributed data and generalized linear mixed models (GLMMs) for non-normally distributed data.</p>	<p>9/8/17</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>			
<p>To guarantee curriculum changes are included in the 2018-2019 Undergraduate Catalog, any requests to add a course, remove a course, change prerequisites or change a course number should be approved by the CASNR Curriculum Committee by October 27. All edits need to be submitted to the college catalog editor, Karen Jackson by December 1.</p>			
<p>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</p>			
<p>Tabled FDST 452/852 - Physical Chemistry of Foods - New course Tabled NRES 451/851 - Soil Environmental Chemistry - Addition of graduate level, change of credit hours, prereqs., and description Postponed action on AGRO 428/828 - Bioinformatics Applications in Agriculture - New course Approved deletion of "Nebraska Beef Industry Scholars" certificate Approved revision of the Horticulture degree program A copy of "CASNR Academic Processes" was shared (sent earlier to Unit Administrators)</p>			

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 September 25, 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