

College of Agricultural Sciences and Natural Resources  
Curriculum Committee  
Summary of Actions  
Date: October 12, 2018

**Faculty Action<sup>1</sup>**

*Courses (new, revisions, deletions, ACE certification and recertification)*

Unit Title and Number	Type of Action Requested	Approved CASNR Curriculum Committee	Approved CASNR Faculty
<b>AGRO 240. Forage Crop and Pasture Management</b>	<b>Change of Prerequisite, Term Offered</b> <b>AGRO 240</b> (3 r). Lecture. Prereq: <b>AGRO/HORT</b> AGRO 131 or BIOS <b>101</b> 109 or <b>LIFE 120</b> equivalent. Principles basic to the establishment, management, and utilization of forage crops and pastures. Plant identification and selection, seeding, fertilization, irrigation, forage quality and utilization, hay and silage preservation, and grazing management. The role of forages and ranges in developing a sustainable agriculture.	10/12/18	
<b>ALEC 496A. Independent Study in Leadership Education: Experiential Learning in Leadership</b>	<b>New Course Proposal</b> <b>ALEC 496A</b> (0-3 cr.). Independent Study. Projects to research, literature review, or extension of coursework related specifically to experiential learning in leadership.	10/12/18	
<b>FDST 866. Scientific Method in Practice</b>	<b>New Course Proposal</b> <b>FDST 866</b> (1cr) Lecture. This class will introduce the concepts of scientific inquiry on which research is based, including the scientific	10/12/18	

	method and ethical considerations. Practical aspects of the modern research environment will be covered through lectures on career (academic and non-academic) paths, publishing, communication and intellectual property are discussed.		
<b>SOIL 101. Soil and Society</b>	<p><b>Change of Hours, Description, Term, ACE 5 Designation</b></p> <p><b>SOIL 101 (3 2 cr) Basic knowledge of soils.</b></p> <p>Soils and civilization. Soil disasters due to erosion, salinization, or contamination. Historical failures in soil conservation. Dependence of highways, building foundations and waste treatment on soil behavior. Ecological functions of soil. Historical perspectives of Soils as the role of soils in human societies. Source of food and fiber production. The role of soils in the humanities, including art, philosophy, and literature. How to address problems of human-accelerated erosion, soil degradation, and water quality.</p>	10/12/18	
<b>STAT 380. Statistics and Applications</b>	<p><b>Change of Prefix, Title, Crosslisting</b></p> <p><b>STAT MATH 380 (3cr)</b> Prereq: A grade of P, C, or higher in MATH 107 or MATH 107H. Probability calculus; random variables, their probability distributions and expected values, t, F and chi-square sampling distributions, estimation; testing of hypothesis; and regression analysis with applications.</p>	10/12/18	

<b>STAT 412. Introduction to Experimental Design</b>	<b>Change of Prerequisite</b> <b>STAT 412</b> (3cr) Prereq: <b>STAT 318 or STAT 380</b> Survey of elementary experimental designs and their analyses completely randomized, randomized block, factorial, and split-plot designs.	10/12/18	
<b>STAT 414. Introduction to Survey Sampling</b>	<b>Change of Prerequisite</b> <b>STAT 414</b> (3cr) Prereq: <b>STAT 318</b> <b>STAT/MATH 380</b> or <b>STAT 380</b> <b>IMSE 321</b> Sampling Techniques: simple random sampling, sampling proportions, estimation of sample size, stratified random sampling, ration and regression estimates.	10/12/18	
<b>STAT 432. Introduction to Spacial Sciences</b>	<b>Change of Prerequisite</b> <b>STAT 432</b> (3cr) Prereq: <b>STAT 463 (can be concurrent)</b> <del>STAT 218 or equivalent</del> Spatial point patterns, test of randomness, Morans I statistic and similar measures, checking assumptions for independence of observations, variography, estimation (point and global) Kriging, nearest neighbor techniques, cokriging, mixed models and their role in designed spatial experiments.	10/12/18	
<b>STAT 450. Introduction to Regression Analysis</b>	<b>Change of Prerequisite</b> <b>STAT 450</b> (3cr) Prereq: <b>STAT 318 or STAT 380</b> <del>STAT/MATH 380 or IMSE 321</del> , and <del>knowledge of matrix algebra</del> . General lineal models for estimation and testing problems, analysis and interpretation for various experimental designs.	10/12/18	

<b>STAT 462. Introduction to Mathematical Statistics I: Distribution Theory</b>	<b>Change of Prerequisite</b> <b>STAT 462</b> (4cr) Prereq: <b>Grade of C or better in MATH 208 or MATH 107H</b> <del>STAT 462</del> . Sample space, random variable, expectation, conditional probability and independence, moment generating function, special distributions, sampling distributions, order statistics, limiting distributions, and central limit theorem.	10/12/18	
<b>STAT 463. Introduction to Mathematical Statistics II: Statistical Inference</b>	<b>Change of Prerequisite</b> <b>STAT 463</b> (4cr) Prereq: <b>C or better in STAT 462</b> <del>STAT 463</del> . Interval estimation; point estimation, sufficiency, and completeness; Bayesian procedures; uniformly most powerful tests, sequential probability ratio test, likelihood ratio test, goodness of fit tests, elements of analysis of variance and nonparametric tests.	10/12/18	
<b><i>New degree programs, options, specializations, certificates, minors (undergraduate and graduate)<sup>2</sup></i></b>			
Unit Title and Number	Type of Action Requested	Approved CASNR Curriculum Committee	Approved CASNR Faculty
<b><i>College core requirements and academic policies, name changes for any credentialed academic program, transfer articulation agreements</i></b>			
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**Other action that requires Academic Planning Committee (APC), Board of Regents and/or  
Nebraska Coordinating Commission for Postsecondary Education approval**

Unit Title and Number	Type of Action Requested	Approved CASNR Curriculum Committee	Approved CASNR Faculty
<i>None</i>			

**Curriculum Committee Approval Only: substitutions/waivers, student appeals, bulletin copy (format, consistency, accuracy, editorial), operating procedures for the curriculum committee**

Type of Action Requested	Approved CASNR Curriculum Committee

**Information 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**

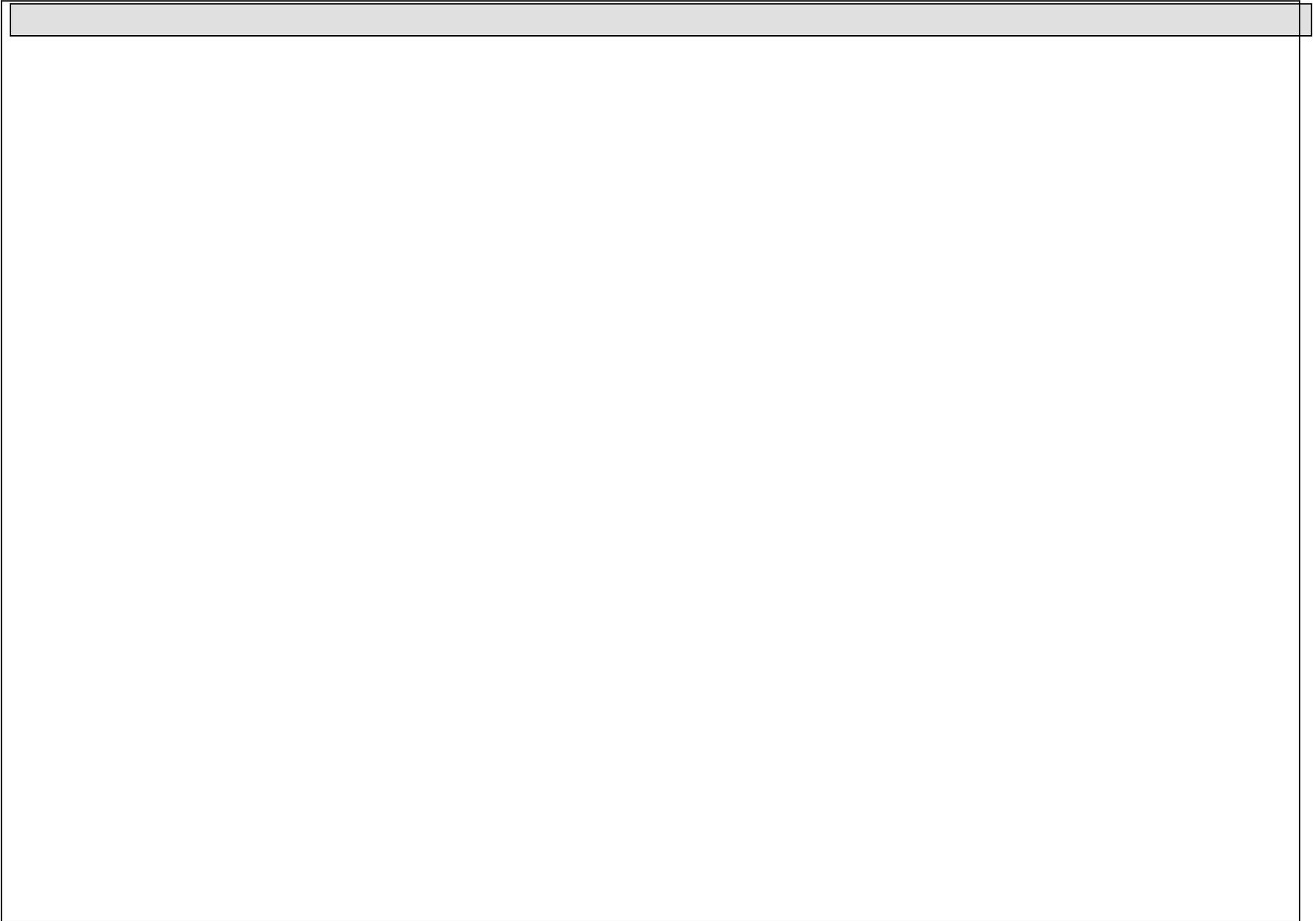
**FDST 413/813 – New Course Proposal. Tabled**

**HORT 388 – Change of Course Title, Description, Term. Tabled.**

**Hort 488 – Change of Course Title, Description, Term. Tabled.**

**Conservation Ag – New Specialization in Applied Science. Tabled.**

**Student Appeal for Accommodations. Tabled.**



Footnotes:

<sup>1</sup> If you have specific questions or concerns, please visit with your CANSR 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 Oct. 29, 2018. 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.

<sup>2</sup>The CASNR Curriculum Committee serves as the Parent Unit for the following degree programs:

B.S. in Applied Science, B.S. in Forensic Science, B.S. in Integrated Science (pending approval by the Nebraska Coordinating Commission for Postsecondary Education), Master of Applied Science, and Doctor of Plant Health