

College of Agricultural Sciences and Natural Resources
Curriculum Committee
Summary of Actions
Date: January 11, 2018

Faculty Action¹

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

Unit Title and Number	Type of Action Requested	Approved CASNR Curriculum Committee	Approved CASNR Faculty
AGRO 442/842, GRAS 442, NRES 442/842, RNGE 442. Wildland Plants	New Crosslisting AGRO 442/842 (3 cr). Lecture/lab. Prereq: Junior Standing. Wildland plants that are important to grassland and shrubland ecosystem management and production. Distribution, utilization, classification, identification (including identification by vegetative parts), uses by Native Americans, and recognition of grasses, forbs, shrubs, exotic and wetland plants.	1/11/19	
AGRO 444/844 GRAS 444, NRES 444/844, RNGE 444. Wetlands	New Crosslisting AGRO 444/844 (3 cr.). Lecture.field Prereq: Junior standing. Measurement and monitoring of the important vegetation and environmental factors used to develop management guidelines in grasslands, savannas, woodlands, and wetlands. Emphasis on using ecosystem monitoring protocols for assessment of wildlife habitat, fuels management for wild-land fire, livestock production, and watershed function.	1/11/19	

	Requires field sampling and travel to local field sites.		
AGRO 445/845, ASCI 451, ASCI 851, RNGE 445. Livestock Management on Range and Pasture	Crosslisting Change AGRO 445 (0) Lecture. Prereq: ASCI 250 and AGRO 240 or 340; AECN 201 recommended. Analyzing the plant and animal resources and economic aspects of pasturage. Management of pasture and range for continued high production emphasized.	1/11/19	
FDST 405/805. Food Microbiology	Prerequisite Change FDST 405/805 (3 cr) Prereq: BIOS 312; CHEM 251, BIOC 324 . Nature, physiology, and interactions of microorganisms in foods. Introduction to food-borne diseases, the effect of food processing systems on the microflora of foods, principles of food preservation, food spoilage, and foods produced by microorganisms. Food plant sanitation and criteria for establishing microbial standards for food products.	1/11/19	
FDST 418/815. Molds and Mycotoxins in Food, Feed and the Human Environment	Prerequisite Change FDST 415/815 (3 cr) Lecture, lab. Prereq: LIFE 120, FDST 405/805, BIOS 445/845 and FDST 406/805, BIOS 446/846 . Occurrence, growth and mycotoxin production of molds in human foods, animal feeds, and the human environment. Spoilage, mycotoxin production conditions, toxicity and pathological effects. Culture media, method and techniques for enumerating and identifying molds, analytical	1/11/19	

	methods for mycotoxins, and effects of food and feed processing on mycotoxin stability.		
FDST 866. Scientific Method in Practice	New Course FDST 866 (1 cr) Lecture. Prereq: None. Introduction to the concepts of scientific inquiry (the scientific method, logical fallacies, publication, scientific ethics). Practical aspects of the modern research environment (academic and non-academic career paths), scientific communication and intellectual property.	1/11/19	
HORT 307. Hydroponics for Growing Populations	New Course HORT 307. (3 cr) Lecture. Prereq: AGRO 132 or AGRO 134 or HORT 133 or LIFE 120. Globally diverse peoples are explored through culture, diets, food production systems, and environment with emphasis on the application of hydroponic plant production systems to address food needs that are culturally conscious. Hydroponic methodologies are investigated and prototypes are designed, built and tested for proof of concept.	1/11/19	
STAT 870. Multiple Regression Analysis	Prerequisite Change STAT 870. (3 cr) Lecture. Prereq: STAT 801A, STAT 802 or STAT 821 concurrently . Linear regression and related analysis of variance and covariance methods for models with two or more independent variables. Techniques for selecting and fitting models, interpreting parameter estimates, and checking for consistency with underlying assumptions. Partial and multiple correlation, dummy	1/11/19	

	variables, covariance models, stepwise procedures, response surfaces estimation, and evaluation of residuals.		
STAT 875. Categorical Data Analysis	Prerequisite and Description Change STAT 875. (3 cr) Lecture. Prereq: Either 1 STAT 801A, and STAT 870 802 or 2 STAT 821 870 recommended. Analysis of contingency tables. Regression models for binary, multi-category, and count responses Tools for model building. Exact inference methods. Measures of associating contingency tables analysis, chi squared tests, log linear and logistics models, generalized estimating equations, planning studies involving categorical data.	1/11/19	
STAT 973. Theory of Multivariate Analysis	Prerequisite and Description Change STAT 973. (3 cr) Lecture. Prereq: STAT 973, STAT 882 and STAT 821 970 or equivalent. Statistical inference concerning paramets of multivariate normal distributions with application s to multivariate datasets multiple decision problems.	1/11/19	
<i>New degree programs, options, specializations, certificates, minors (undergraduate and graduate)²</i>			
Unit Title and Number	Type of Action Requested	Approved CASNR Curriculum Committee	Approved CASNR Faculty
<i>College core requirements and academic policies, name changes for any credentialed academic program, transfer articulation agreements</i>			

Unit Title and Number	Type of Action Requested	Approved CASNR Curriculum Committee	Approved CASNR Faculty
<i>Other action that requires Academic Planning Committee (APC), Board of Regents and/or Nebraska Coordinating Commission for Postsecondary Education approval</i>			
Unit Title and Number	Type of Action Requested	Approved CASNR Curriculum Committee	Approved CASNR Faculty
None			
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			
ACE Courses not asking for re-certification (will no longer be ACE certified): PLPT 110; ALEC 108; NRES 323			
Conservation Agriculture Specialization-tabled			

Footnotes:

¹ 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 January 28, 2019. 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 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