

**College of Agricultural Sciences and Natural Resources
Curriculum Committee
Summary of Actions**

December 7, 2012

Department Title and Number	Type of Action Requested (Underlining Indicates the Proposal Changes)	Approved CASNR	Approved UCC	Approved Graduate Council
AECN 456/856 - Environmental Law	<p>Change of Prerequisite, Addition of “x” Designation and Change Semester Offered 456x/856. Environmental Law (NREE 456x) (3 cr I) PSI. Prereq: Junior standing.. AECN/NREE 357 recommended. Available through the Office of Online and Distance Education. Administrative law, risk assessment, environmental impact review, Clean Air Act, Clean Water Act, non-point pollution control, wetlands regulations pesticide and toxic substance regulation, solid and hazardous waste regulation, drinking water protection, land use regulation, energy policy, and international environmental law.</p>	12/7/12		
BSEN 112 - Engineering in Agricultural and Biological Systems	<p>Change of Title, Prerequisite, and Description 112. Computer-Aided Problem-Solving (AGEN 112) (2 cr II) Lec. 2. Prereq: BSEN 100/AGEN 100 <u>and high school physics, or permission.</u> Problem-solving techniques and procedures through the use of <u>Excel, MATLAB,</u> and graphical methods. Emphasis on problem/solution communications with topics and problems from agricultural <u>engineering</u> and biological systems <u>engineering</u>.</p>	12/7/12		
BSEN 130 - Computer-Aided Design	<p>Deletion of Prerequisite and Change of Semesters Offered 130. Computer-Aided Design (CIVE 13) (2 cr I, II) Lec 1, lab 3. Prereq: AGEN/BSEN 112 or CIVE 112 Use of computer-aided design software to communicate engineering ideas. Specifications, dimensioning, tolerancing, 2- and 3-D model development, topographic mapping, and process layout with environmental, bioprocess, and biomedical emphases.</p>	12/7/12		
BSEN 460/860 - Instrumentation and Controls	<p>Change of Prerequisite 460/860. Instrumentation and Controls (AGEN 460/860) (3 cr I) Lec. 2, lab 2. Prereq: <u>ELEC 211 or ELEC 215; Senior standing</u> or permission. Analysis and design of instrumentation and controls for agricultural and biological production, management and processing. Theory of basic sensors and transducers, analog and digital electrical control circuits, and the interfacing of computers with instruments and controls. Emphasis on signal analysis and interpretation for improving system performance.</p>	12/7/12		
BSEN 444/844 - Biomass and Bioenergy Engineering	<p>New Course 444/844. Biomass and Bioenergy Engineering (3 cr I) Lec 3. Prereq: Senior/graduate standing in engineering; BIOC 321 or 431; or permission. Engineering processes for biomass conversion and bioenergy production. Topics include biomass chemistry, conversion reactions, current and emerging bioenergy technologies, feedstock logistics, life cycle assessment. Analysis of primary research literature required for graduate credit.</p>	12/7/12		

HORT 288 - Agribusiness Entrepreneurship	Change Credit Hours, Description and New Number 388. Agribusiness Entrepreneurship (AGRO/EAEP/ENTR 388) (3 cr, II) Lec 3. Overview of types of agricultural enterprises. Basic accounting principles as they relate to agricultural businesses. <u>This course requires completion of a marketing plan specific to agricultural enterprises based on a business idea. Student team projects with emphasis on marketing.</u>	12/7/12		
Tabled Items				
Revision of Applied Science degree program.				
Informational Items				
Approved MSYM 109 - Physical Principles in Agriculture and Life Sciences - ACE 4 Recertification No action was taken on AECN 141 - Introduction to the Economics of Agriculture - ACE 6 Recertification (proposal is being revised) Approved a New Master's Double Degree Program in Advanced Water Management for Food Production in cooperation with the UNESCO-IHE Institute for Water Education in Delft, The Netherlands and UNL's Biological Systems Engineering department.				

We are furnishing information on recent CASNR Curriculum Committee actions. If you have any questions or concerns, your department head must contact Dean Steve Waller (swaller1@unl.edu) in writing by January 2, 2013. If we have heard no objections, we will assume you approve and the above changes will be forwarded to the appropriate UNL committees (University Curriculum Committee and/or UNL Graduate Council.)

¹The CASNR Dean's Office has a copy of the supporting material. *All curriculum requests tabled for a minimum of four months during any academic term (without additional information being presented to the CASNR Curriculum Committee) will be automatically withdrawn. (Policy statement approved by CASNR Curriculum Committee 2/13/98.)*



No approval required.

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