

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

September 27, 2013

Department Title and Number	Type of Action Requested (Underlining Indicates the Proposal Changes)	Approved CASNR	Approved UCC	Approved Graduate Council
AGRI 899 - Master of Applied Science Thesis	New Course 899. Master of Applied Science Thesis (6-10 cr, max 10) Prereq: Admission to masters degree program and permission of major adviser. A thesis is a document submitted in support of candidate for a Master of Applied Science degree to present their research and findings.	9/27/13		
AGRI 462/862 - Invasive Pests and International Trade	New Course 462/862. Invasive Pests and International Trade (3 cr, I, II) Lec 3. Examination of the global issue of the impact of invasive pests on international trade, food production, and ability to feed increasing populations in the future. Focus on how local changes have biological, economic and social consequences at the global level and impact sustainability. Offered fully online and covers pest introductions and pathways, impact on global agriculture and trade, principles and practices in agricultural pest risk analysis and international cooperation.	9/27/13		
BSEN 344- Biological and Environmental Transport Processes	Change of Prerequisites and Description [ES] [IS] 344. Biological and Environmental Transport Processes (AGEN 344) (3 cr II) Lec 3. Prereq: BSEN 244 or MECH 200; MATH 221; MECH/CIVE 310 or CHME 332 <u>or parallel</u> ; or permission. Introduction to concurrent transport of energy and mass in biological and environmental processes. Modes of heat transfer, steady and non-steady state heat conduction, convective heat transfer, radiative heat transfer, and heat transfer with phase change. Introduction to Equilibrium, kinetics, and modes of mass transfer, diffusion, dispersion, and convective mass transfer. Includes Soil freezing and thawing, energy and mass balances of crops, diffusivities of membranes, photosynthesis, human and animal energy balances, and respiration.	9/27/13		
VBMS 417 - Neurobiology: Cells to Senses	New Course with ACE 10 Designation (ACE 10) VBMS 417. Neurobiology: Cells to Senses (4 cr) Lec 4. Prereq: Two semesters each of Biology and Chemistry recommended. Permission of the instructor required. Neurobiology, by its very nature, integrates the studies of biology, chemistry, physics, biochemistry, physiology, and anatomy. This course will include an introduction to cellular and systems neurobiology, culminating in individual student projects focusing on the effects of neuropathological disorders or diseases. Three hours of scheduled class time will be supplemented with one hour of online material each week. Active participation in classroom discussion expected.	9/27/13		

Tabled Item
Collaborative Undergraduate and Professional Degree Program between the Bachelor of Science in Environmental Studies and Master of Public Health with a Concentration in Environmental and Occupational Health (UNMC)
Informational Items
Approved Forensic Science - degree program revision Approved Integrative Science - a new degree program

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 October 15 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.)*



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No approval needed