

CANR Curricula and Courses Committee
Meeting Minutes – Final Approved
September 20, 2013
1:00 pm Room 209 WBY

I The meeting was called to order at 1:10 pm.

- a. Members present: Rhonda Brownbill, Sandra Bushmich (for Sal Frasca), Mike Darre, Laura Dunn (for Marilyn Altobello) George Elliott, Sal Frasca, Susan Gregoire, Pat Jepson, Mark Rudnicki, and Cindy Tian (for Gary Kazmer). Guests: Chadwick Rittenhouse (NRE), Chad Cotti (ARE) and Steven Swallow (ARE).

II. The minutes of April 19 and August 19, 2013 were approved as distributed.

III. Old Business:

- A. AG Biotech Minor- new info? Cindy Tian noted that for the minor, it currently stipulates that courses taken under the group C one must take 6 credits of discipline based courses from outside of the major department . She said the Biotech Minor committee suggests changing that so that there is no restriction on the use of courses from the major. The Biotech committee will forward a Curricula Action Request form to the CANR CC with that change.

IV. New Business:

- A. The Department of Animal Science proposed the following:
1. **ADD:** ANSC 5615 Exercise Physiology of Athletic Species.

The CANR CC Committee suggested changing the title to: Comparative Exercise Physiology which was accepted by the submitter, so the catalog description will be:

Catalog Copy:

ANSC 5615 Comparative Exercise Physiology. Three credits. Two class periods and one 2-hour lab/discussion period.

In depth discussion of the effects of exercise on the body with emphasis placed on the physiological mechanisms which allow for adaptation to periods of exercise and inactivity. Idiosyncrasies among the athletic species will be highlighted.

MOTION PASSED CANR CC 13-14-11 Effective Spring 2014

- B. The Department of Allied Health Sciences proposed the following:
1. **ADD:** AH 4225: Genetic Testing and Genomic Medicine

Catalog Copy:

AH 4225: Genetic Testing and Genomic Medicine Three credits. Prerequisite: BIOL 1107 and MCB 2400 or MCB 2410. Juniors or higher.

Genetic testing and genome analyses with emphasis on topics relating to the clinical laboratories and to the diagnosis and treatment of human disease. Scientific and clinical aspects of genetics and genomics in health care integrated with case presentations, current literature, and discussions.

MOTION PASSED CANR CC 13-14-12 Effective Spring 2014

1. **REVISE:** Group A-3 option for the Allied Health Sciences major: Standard plan, Health Sciences, and Public Health and Health Promotion concentrations. Add

AH 4225 Genetic Testing and Genomic Medicine to meet program and graduation requirements.

MOTION PASSED CANR CC 13-14-13 Effective Spring 2014

2. **ADD:** GPAH 5005 Biostatistics for the Health Professions. Effective Spring 2014.

Catalog copy:

GPAH 5005: Biostatistics for the Health Professions

Three credits. Prerequisite: A course in pre-calculus or higher; STAT 1000Q or 1100Q or higher, or similar college statistical level. STAT 4625 or similar course cannot be used to meet the pre-requisite requirement. Course may be repeated once for two credits. Department consent required.

Basic statistical methods to a broad range of medical or public health problems will be presented. The course will emphasize the use of these methods and the interpretation of results using biomedical and health sciences applications.

MOTION PASSED CANR CC 13-14-14 Effective Spring 2014

C. Agriculture and Resource Economics

1. **ADD:** ARE 5495 Special Topics –Incentives and Markets for Ecosystem Services

Catalog Copy:

ARE 5495 – Special Topics – “Incentives and Markets for Ecosystem Services”

Three credits. This course develops a broad perspective on the theory, methods, and applications in economics literature pertaining to ecosystem service markets and incentives. Relevant topics include government and NGO payments for ecosystem services, cap and trade applications, procurement auctions, incentives for voluntary contributions to public goods, regulatory based incentive policies, design and evaluation. The course will draw heavily on recent literature in environmental economics, with selections occasionally drawn from experimental economics and interdisciplinary applications of ecosystem modeling and environmental management.

Prerequisites: Graduate level course in microeconomic theory such as Econ/ARE 5201 and econometrics such as Econ 5311 to include regression analysis; one graduate course in resource or environmental economics is strongly advised (e.g., Econ/ARE 6466 or ARE 6468 or ARE 5462).

MOTION PASSED CANR CC 13-14-09 Effective Spring 2014

2. **ADD:** ARE-4995 Special Topics - The Production of Health: Determinants, Risky Behaviors, and Public Policy

After some discussion the CANR CC committee suggested a change in title to: *Economics of the production of health and related public policies*, which was accepted by the submitter

Catalog Copy:

ARE - 4995 Special Topics: Economics of the production of health and related public policies. Three Credits.

This course provides a focused look at the economics of the production of health and related public policies. Topics include: historical perspectives of health, modern determinants of health outcomes, risky/unhealthy behaviors (e.g. obesity), government intervention in the presence of market failures surrounding health behaviors (e.g.

vaccines, sin taxes, etc.), insurance markets, and the major issues surround health care reform.

MOTION PASSED CANR CC 13-14-10 Effective Spring 2014

D. The Department of Natural Resources and the Environment proposed the following:

1. **ADD:** NRE 5200 Sustainable Natural Resources Management

Catalog Copy:

NRE 5200 Sustainable Natural Resources Management Three credits.

Explores social-ecological systems, including relationships between ecosystem services and human well-being and livelihoods; introduces systems theory for understanding disturbance, feedbacks, thresholds, directional change, adaptation and resilience in social-ecological systems; includes applied case studies in sustainable agriculture, fisheries, forestry, freshwater, marine, and wildlife.

MOTION PASSED CANR CC 13-14-03 Effective Fall 2014

2. **ADD:** NRE 5205 Decision Methods in Natural Resources

Catalog Copy:

NRE 5205 Decision Methods in Natural Resources Three Credits

Aspects and methods of decision making for individuals, organizations, and institutions, including structured decision making, adaptive resource management, and organizational learning; concepts and techniques for managing risk and uncertainty, model-based and experience-based approaches to link alternative actions and consequences, tradeoff and optimization approaches, and monitoring and evaluation of resulting outcomes.

MOTION PASSED CANR CC 13-14-04 Effective Fall 2014

3. **ADD:** NRE 5210 Communications for Environmental Decision Makers Catalog

Copy:

NRE 5210 Communications for Environmental Decision Makers

Three credits. Methods and techniques for effective communication with diverse audiences using written, spoken, and digital media; includes conflict resolution, crisis situations, persuasion, negotiation, marketing and advocacy.

MOTION PASSED CANR CC 13-14-05 Effective Fall 2014

4. **ADD:** NRE 5215 Geospatial Techniques for Environmental Management

Catalog Copy:

NRE 5215 Geospatial Techniques for Environmental Management

Three credits. This course introduces methods and techniques for the management, display, and analysis of geospatial data. Participants will learn the scientific knowledge and technical skills to collect and effectively use geospatial data in environmental planning and problem solving. Topics addressed include global navigation satellite positioning methods – especially the US NAVSTAR Global Positioning System (GPS) at both mapping and surveying accuracy levels – geographic information systems, remote sensing, geospatial modeling, geospatial coordinate systems, and geoprocessing tools.

MOTION PASSED CANR CC 13-14-06 Effective Fall 2014

5. **ADD:** NRE 5220 Environmental Planning for Sustainable Communities and Regions

Catalog Copy:

NRE 5220 Environmental Planning for Sustainable Communities and Regions

Three credits. Principles of environmental planning with application to human health, natural areas, working landscapes, and built environments; basis and context for planning, including laws, regulations, zoning, compliance, uncertainty, and risk management.

MOTION PASSED CANR CC 13-14-07 Effective Fall 2014

6. **ADD:** New Graduate Program in NRE: Graduate Certificate in Sustainable Environmental Planning and Management

The Sustainable Environmental Planning and Management Program will provide the skills and techniques to lead our society to a sustainable future. The program is designed for working professionals, engaged citizens, and post-bachelor's students who want to take their career to the next level. Students learn what is sustainable planning and management, and how to achieve them by developing skills in communication, decision-making, and geospatial techniques. These skills will help individuals, groups and organizations to approach sustainable environmental planning and management in a creative, innovative and comprehensive manner. Throughout the process, students will learn how to work past the associated conflicts and disputes that often accompany the planning process. Students will learn to use tools like GIS and GPS, to draw from natural resource and ecosystem science, and to synthesize disparate information to ultimately navigate the regulatory environment to protect the actual environment.

(Note: The CANR CC Committee commends NRE on developing this cutting edge graduate certificate program.)

MOTION PASSED CANR CC 13-14-08 Effective Fall 2014

E. Individualized Major (AGNR)

1. Second Offering: UNIV 3995: Special Topics: Individualized Study Across Academic Disciplines

This course introduces students to the ideas of disciplinary, multidisciplinary, and interdisciplinarity and serves as a gateway to the Individualized Major Program. By exploring the history of disciplinary, ways of thinking in the disciplines, and debates surrounding interdisciplinarity, it seeks to provide the student with the concepts and tools to design a multidisciplinary or interdisciplinary program of study in his/her area of interest.

This is an online course. Opportunities will be provided at least two times during the semester for students to meet each other face-to-face. The instructor will also be available for face-to-face office hours throughout the semester. Alternative arrangements will be made for students not in residence at the Storrs campus to engage with each other and with the instructor (e.g. Skype and teleconferences). Instructors will encourage students to attend lectures and other events on campus where they will hear and meet faculty members who exemplify approaches to scholarship discussed in class.

MOTION PASSED CANR CC 13-14-15

V. Report from Academic Programs:

A. Reminder for all to review the 2014-2015 Undergrad Catalog.

B. CLAS sent an email to the academic programs office of the CANR requesting information on CLAS upper level courses in which CANR students are having difficulty enrolling due to insufficient space, time of offering, etc. Let Dr. Pat Jepson know of courses students in your department are having these issues with.

VI. Other Business: The CANR CC Committee needs to revise the description of their duties in the CANR By-Laws. Specifically, the By-Laws state:

The College C & C will be notified of any graduate C&C issues that are submitted to the Graduate School by Departments and/or graduate faculty.

This needs to be eliminated and the following added: reviews all curricula and course submissions, **both undergraduate and graduate**, for appropriateness of meeting the overall educational mission of the College, reviews all experimental course offerings, and reviews all course submissions for completeness.

This is because the Graduate School requires approval by the College C&C before they will approve the courses or changes.

The CANR CC also needs to discuss the submission of Special Topics courses for electronic review over the summer.

VII. Time and Place of next meeting. 1:00 pm on October 4, 2013, Room 209 WBY

VIII. The meeting adjourned at 3:32 pm