PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF SOCIAL SCIENCE

1. Request to establish a Dual Major in Environmental Science and Policy in the College of Social Science. The University Committee on Graduate Studies (UCGS) will consider this request at its October 9, 2017 meeting.

   a. Background Information:

   The doctoral Specialization in Environmental Science and Policy (ESP) was launched in 2004 by the Environmental Science and Policy Program (ESPP) to provide students with an understanding of how diverse disciplines conceptualize environmental issues and how scientific information can be brought to bear on environmental decision-making and environmental policy. Enrollment in the specialization has steadily increased and currently there are about 50 students in the program. The students come from over 20 departments in six colleges (College of Agriculture and Natural Resources, College of Engineering, College of Natural Science, College of Social Science, College of Arts and Letters, and College of Communication Arts and Science). Students have received prestigious awards such as NSF Fellowships, Science publication awards, American Fisheries Society Award, USAID Fellowship, Brent K. Marshall Award for Outstanding Graduate Student (Society for the Study of Social Problems), Paul W. Rodgers Scholarship (International Association for the Great Lakes Research), as well as numerous MSU graduate student awards. Graduates from the Specialization have consistently been placed in R1 universities as faculty members.

   ESPP proposes to expand the specialization to a dual major, in partnership with a range of departments and schools, including those whose students have taken the specialization in the past and those with joint faculty appointments in ESPP. The dual major will include an enhanced policy relevant research component, impose minimum grade requirements, and make the capstone experience more visible and better connected with policy.

   The dual major will complement the many environment related Ph.D. degrees offered at MSU. There are no graduate degrees offered in environmental science and policy at MSU, and yet there is strong societal demand for scientists who understand policy issues and who can contribute to science based policymaking. These considerations motivated the offering of the doctoral specialization in ESP initially. When the MSU community was engaged in discussing the establishment of ESPP, the intention was to eventually offer an interdisciplinary degree program in environmental science and policy. Early on, ESPP opted for a specialization rather than a degree program partly to gain experience in offering interdisciplinary graduate education. We have accumulated sufficient knowledge and experience over the past 13 years to expand the specialization to a dual major.

   Graduates with the dual major will be extremely competitive in the job market because the linkage of environmental science and policy and interdisciplinary scholarship will strongly complement the solid disciplinary training the students obtain in their home departments. The marketability of the credential is enhanced by the shift to the dual major because almost all public and private institutions understand what a dual major entails while the nature of a specialization is defined relatively poorly and often requires interpretation.

   The dual major credential more appropriately reflects the training ESPP graduates receive. The students will take four 3-credit courses; organize and present in a research colloquium; demonstrate policy relevant research in dissertation chapters, peer reviewed publications, or white papers; and attend a number of community-building activities with other students from different disciplines. The dual major will enable our graduates to showcase the formal training in environmental science and policy when they enter the job market whereas the current designation by the doctoral specialization does not carry the same professional stature that is warranted by the extensive training the students receive.

   The expansion to a dual major is strongly supported by ESPP’s current students and our affiliated faculty members as witnessed by the feedback received through numerous surveys and town hall meetings held over the past two years.
b. **Academic Programs Catalog Text:**

The interdepartmental dual major in environmental science and policy is administered by the College of Social Science. The dual major is available only to those students who plan to complete a Ph.D. degree program that involves environmental science and policy and who have a graduate major at Michigan State University. The student does not have the option of completing a dual major in environmental science and policy alone.

The educational objectives of the interdepartmental program are to:

- develop interdisciplinary knowledge and skills across natural and social science disciplines related to the environment and to enable collaboration with researchers and practitioners from other disciplines towards addressing environmental challenges.
- gain knowledge of and experience with science based environmental policies, including how scientific knowledge can contribute to practical policies and how interdisciplinary collaboration can improve the effectiveness of policies.
- gain practical experience in communicating scientific research to multiple audiences, including scientific communities and the general public.

In addition to meeting the requirements of the University and of the College of Social Science, students must meet the requirements specified below.

**Admission**

In order to enroll in the dual major in environmental science and policy a student must also have been admitted to a major at Michigan State University.

The Graduate Program Council, composed of members of the faculty from participating departments will review applications for admission and recommend acceptance of applicants for admission. In special cases, an applicant who has deficiencies in background courses may be admitted to the dual major on a provisional basis.

**Guidance Committee**

The program shall be planned in accordance with the statement on Dual Major Doctoral Degrees in the Graduate Education section of this catalog. At least one member of the student’s doctoral dissertation committee shall be an environmental science and policy affiliated faculty member.

Students in the dual major in environmental science and policy are expected to attend a number of community-building activities with other students from different disciplines.

**Requirements for the Dual Major in Environmental Science and Policy**

1. All of the following courses with a minimum grade-point average of 3.0 with no more than one course’s grade below 3.0 in courses used in fulfillment of the requirements for the dual major (12 credits):
   - ESP 800 Principles of Environmental Science and Policy 3
   - ESP 801 Physical, Chemical and Biological Processes of the Environment 3
   - ESP 802 Human Systems and Environment 3
   - ESP 804 Environmental Applications and Analysis 3
   Approved course substitutions for ESP 801, 802, and 804 may be made by consulting the list of approved substitutes at [www.espp.msu.edu/specialization/index.php](http://www.espp.msu.edu/specialization/index.php).

2. Twenty-four credits in Doctoral Dissertation Research (course number 999) from the student’s departmental major.

3. Pass a comprehensive examination that will be defined by the requirements of the student’s major department and that will include a written examination in which the student demonstrates a knowledge of environmental science and policy as determined by the guidance committee.

4. Submit a dissertation that, in the judgment of the student’s guidance committee, represents the integration of environmental science and policy and the student’s departmental major.

Effective Fall 2018.
PART II - NEW COURSES AND CHANGES

COLLEGE OF SOCIAL SCIENCE

ANP 430  Culture, Resources, and Power
Fall of odd years. 3(3-0) P: Completion of Tier I Writing Requirement R: Not open to freshmen. Not open to students with credit in ANP 836.
Production of knowledge and expertise regarding development, environment, culture, and rights. Effects of applying this knowledge.
DELETE COURSE
Effective Fall 2017

ANP 813  Power and Political Subjectivity
Fall of odd years. 3(3-0) RB: ANP 830 or similar relevant coursework in sociocultural anthropology. R: Open to graduate students or approval of department.
Agency, political community, recognition, subject formation, subjection. Philosophical influences on anthropology of the subject, such as Hegel, Marx, Freud, Fanon, Foucault, Butler. Ethnographies of the politics of community. Nationalism, race, sexuality, violence, religion, domination, and resistance.
DELETE COURSE
Effective Fall 2017

HDFS 962  Longitudinal Structural Equation Modeling
Fall of every year. Spring of even years. 3(3-0) R: Open to doctoral students.
NEW Application of structural equation modeling to the analysis of longitudinal data
Effective Spring 2018

HRLR 289  Navigating the World of Work
Summer of every year. 3(3-0)
Changing workplace and career management after college. Current business strategies, pay and benefits, labor relations, emerging career trends, and management of work and family.
DELETE COURSE
Effective Fall 2018

SW 801  Foundations of Social Work Practice
Summer of every year. 2(2-0) R: Open to master's students in the Master of Social Work in Clinical Social Work.
Overview of the social work profession and the social welfare system.
DELETE COURSE
Effective Spring 2018