

MICHIGAN STATE UNIVERSITY

August 19, 2016

MEMORANDUM

TO: Dr. Sekhar Chivukula, Associate Provost for Undergraduate Education
and Dean of Undergraduate Studies

FROM: Dr. John Gaboury, Associate Provost for Academic Services
and Enrollment Management

RE: Request for a New Minor in Environment and Health

For Transmittal to the University Committee on Undergraduate
Education (UCUE)

The request referenced above is being sent to the University Committee on Undergraduate Education (UCUE) in accordance with the *Bylaws for Academic Governance*, 4.4.

UCUE Response Requested:

Please ask the committee to consider the request referenced above and provide consultative commentary. Please mail the related materials referenced under the heading Attachments at the end of this memorandum to the committee members.

After receiving the committee's consultative response, the Provost will make a determination to forward or not to forward the request to the University Committee on Curriculum for its approval of curriculum and degree requirements.

If you have any questions, please call Joy Speas, University Curriculum Administrator, at 5-8420.

Thank you.

Attachments:

1. Request to Establish a New Academic Program form dated March 11, 2016: Minor in Environment and Health and attachments.

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University Curriculum and Catalog

Hannah Admin. Building
426 Auditorium Road
Room 151A
East Lansing, MI 48824

517-355-8420
Fax: 517-353-1935

COLLEGE OF SOCIAL SCIENCE

1. Request to establish a **Minor in Environment and Health** in the Department of Geography. The University Committee on Undergraduate Education (UCUE) will consider this request.

- a. **Background Information:**

The College of Social Science is changing its requirements for the bachelor's degree by reducing the required credits from 30 to 15 to encourage its students to take additional majors or minors to enhance their major courses of study. It is anticipated that social science graduates will enroll in and complete academic programs in other colleges in greater numbers than previously because of the credit flexibility created by the new requirements.

The new requirements continue the College's tradition of combining disciplinary training with a liberal arts education, with a focus on thematic areas that will help students prepare for employment, continuing education, or global citizenship after graduation. To accomplish this, the college will require every student to complete an approved 15-credit interdisciplinary minor and 3 credits of experiential learning. Each minor must include 9 credits in Social Science and 6 credits outside of the College. Because the minors are structured specifically to meet the College of Social Science's liberal arts requirement and learning objectives, each is open only to undergraduate majors in the College. In the future, if capacity exists in this minor and pending approval of contributing units, we will open to all university students.

The Minor in Environment and Health aligns with the College of Social Science research focus on people and the environment. The minor is administered by the Department of Geography.

The Minor in Environment and Health enhances the education and training of students who are interested in issues relating to the environment and health, including students who wish to prepare themselves for advanced degree programs in environmental studies, health studies or careers in related fields. The minor brings courses from across the college together to provide students with an integrative learning experience that enhances their major degree program.

- b. **Academic Programs Catalog Text:**

The Minor in Environment and Health, administered by the Department of Geography, enhances the education and training of students who are interested in issues relating to the environment and health, including students who wish to prepare themselves for advanced degree programs in environmental studies, health studies or careers in related fields.

The minor is available as an elective to students who are enrolled in bachelor's degree programs in the College of Social Science. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree.

Students who plan to complete the requirements of the minor should consult the undergraduate adviser in the Department of Geography.

Requirements for the Minor in Environment and Health

Complete a minimum of 15 credits from the following.

			CREDITS
1.	The following course (3 credits):		
	GEO 151	Introduction to Human Geography	3
2.	One of the following courses (3 or 4 credits):		
	ANP 370	Culture, Health and Illness	3
	EC 498	Economics of Health Care (W)	3
	GEO 235	Geography of Environment and Health	3

	HDFS	225	Lifespan Human Development in the Family	3
	HST	425	American and European Health Care since 1800	4
	SOC	451	Dynamics of Population	3
3.	Two of the following courses (6 credits):			
	ANS	427	Environment Toxicology and Society	3
	EEP	260	World Food, Population and Poverty	3
	ENT	205	Pests, Society, and Environment	3
	EPI	390	Disease in Society: Introduction to Epidemiology and Public Health	4
	HNF	385	Public Issues in Nutrition and Health	3
	PHL	453	Ethical Issues in Global Public Health	3
4.	The following capstone course (3 credits):			
	GEO	435	Geography of Health and Disease	3

Effective Fall 2017.



Michigan State University - Office of the Registrar

View a Program

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Joy Speas, RO

Tuesday, 3/15/2016

Program Name: Environment and Health
Degree: MNUN **Sequence Number:** 1

Program Request ID: 3129

Effective Dates: Fall 2016 - Open **Status:** Interim **Initial Action:** New

Requested Date: 11/2/2015 8:43:24 AM

1. Department/School/College:

38366 Department of Geography

2. Name of Program:

Environment and Health

3. Name of Degree:

MNUN

4. Type of Program:

Minor

5. Effective Start Semester:Fall ~~2016~~ 2017**6. Target student audience for the program:**

All Social Science majors

7. Enrollment:

What is the expected enrollment per year: 250

What is the minimum enrollment acceptable: 50

8. Source of budget for the program:

To align academic planning and curricular change, ALL requests for NEW funds must be included in the College's annual planning letter. Provost approval of new funds and the effective date for the new program must align. If funding is not approved, then the program request will not be forwarded to Faculty Senate.

Internal reallocation

If new funds, was this request included in the College's annual planning letter?

Indicate yes or no. If no, then this is a department or college fund reallocation (If the program is implemented, no additional resources are required.).

9. Projected Costs as compared to other programs in unit:

Same

10. Staff requirement:

How many additional staff will be required: 0

Who will provide the primary instruction. Describe any external linkages(Industry, government, etc.):

11. Will additional equipment be required:

Approximate cost: 0

Source of funding:

12. Will additional library materials be required:

Approximate cost: 0

Source of funding:

13. Will additional space be required:

Type:

Approximate amount:

14. If the program requirements contain a named concentration, do you wish for the concentration to be noted on the student's transcript?:

No

15. Detailed Description:

a. Background information

I. Context

The College of Social Science is changing its requirements for the bachelor's degree. The new requirements continue the College's tradition of combining disciplinary training with a liberal arts education, with a focus on thematic areas that will help students prepare for employment, continuing education, or global citizenship after graduation.

To accomplish this, the college will require every student to complete an approved 15-credit interdisciplinary minor and 3 credits of experiential learning. Each minor must include 9 credits in Social Science and 6 credits outside of the College. Because the minors are structured specifically to meet the College of Social Science's liberal arts requirement and learning objectives, **each is open only to undergraduate majors in the College.**

In the future, if capacity exists in this minor and pending approval of contributing units, we will open to all university students.

II. Minor in Environment and Health

The Minor in Environment & Health aligns with the College of Social Science research focus on people and the environment. The program goal is to enhance the education and training of students who are interested in issues relating to the environment and health, including students who wish to prepare themselves for advanced degree programs in environmental studies, health studies, or careers in related fields. The Department of Geography will administer the program.

The Minor in Environment and Health is restricted to Social Science students and thus is not expected to compete with related programs within CSS or the University. It compliments courses and programs in the College of Agriculture and Natural Resources and the College of Natural Science.

The College reduced its college requirements (from 30 to 15) to encourage its students to take additional majors or minors to enhance their major courses of study. We anticipate that CSS graduates will enroll in and complete academic programs in other colleges in greater numbers than previously because of the credit flexibility created by the new requirements.

b. Rationale for offering the program at MSU.

The minor aligns with the research, teaching, and outreach strengths of the College of Social Science and the University.

c. Rationale for the program being housed in the primary administrative unit.

Geography is lead unit for the Minor in Environment & Health because of its research and teaching strength in this field.

d. Educational objectives of the program and their relationship to those of the college and the university.

I. Environment and Health

The Minor in Environment and Health was approved by the College because its educational objectives, student learning outcomes, and assessment plan met the criteria of the College of Social Science for interdisciplinary minors that will fulfill the college requirements for the bachelor's degree. Each minor followed the same guidelines, but placed specific topical emphasis on its goals.

For Environment and Health those are:

Academic Program Goals: Enhance the education and training of students who are interested in issues relating to the environment and health, including students who wish to prepare themselves for advanced degree programs in environment and health related studies or careers in related fields.

Student Learning Outcomes:

1. Demonstrate a basic understanding of the meaning of environment (e.g., physical, social and cultural) and how the environment can positively or negatively impact human health;
2. Demonstrate the application of technical skills to assess the relationship between the environment and health; and
3. Demonstrate in a practical learning experience knowledge and understanding of a topic of interest in the field of environment and health.

The program's assessment plan, submitted and approved by Kelly Funk, Director of Academic Assessment, Program Review, and Accreditation, is linked directly to the educational objectives.

II. Relationship to College and University Educational Objectives

The new college requirements are designed to enhance the learning of students tracking into applied careers, graduate and professional school, government, education, business, health and human services. These by nature require our graduates to be skilled at drawing upon multiple fields to solve real world problems. We highly value, as a College, the ability of students to adopt and practice interdisciplinary inquiry, then apply integrative reasoning to analyze and resolve complex problems or issues. Each minor, therefore, will measure student mastery of this skill in addition to its own program specific student learning outcomes. Combined with the College's experiential learning requirement, the Minor in Environment and Health and the other approved programs help student achieve an applied interdisciplinary education consistent with the University's educational objectives articulated in Boldness by Design and the University Liberal Learning Goals.

e. Faculty who were instrumental in developing the program and faculty who will be responsible for implementing the program.

Sue Grady will serve as lead faculty for the Department of Geography.

f. Plan for assessing the program. Plan for assessing student outcomes:**Michigan State University****Assessing Student Outcomes**

College: Social Sciences

Department: Geography

Program or Major: Environment and Health Minor

Program Level: 200-400

Contact Person: Richard Groop or Sue Grady

Inventory of Written Statements and Plans

1. Do you have a written mission statement or statement of purpose?

X **yes** **no****If yes, please attach a copy or reference where this can be found:**

2. Do you have a written statement of intended educational outcomes describing what a student should know or be able to do when they have completed this program?

X **yes** **no**

3. Do you have a written method of assessment for measuring student outcomes?

X **yes** **no**

4. Does your program have a separate accreditation process?

yes X **no****If yes, please list all accrediting agencies below:****Assessment Methodologies**

It is likely that some assessment measures are already in place in this program even if they are not identified as being part of a formal assessment plan. Listed below are some of the assessment methodologies you may be using. Indicate "A" if the method is currently being used; "B" if it is **not** being used but you are interested in using it; and "C" if the method of assessment does not apply to your program.

Direct Methods of Assessment

1. C Comprehensive Examinations
2. C Writing proficiency Examinations
3. C National Examinations assessing subject matter knowledge
4. C Graduate Record Exam General Test
5. C Graduate Record Exam Subject Test
6. C Certification Examinations
7. C Licensure Examinations
8. C Locally developed pre-test or post-test for subject matter knowledge
9. C Senior thesis or major project
10. A Portfolio evaluation of student work
11. A Exit (Capstone) course written evaluation of student's ability to synthesize knowledge and knowledge gained in the minor of Environment and Health
12. C Audio or Video tape evaluations
13. A Other: (Entry course written evaluation of student's general knowledge about the field of Environment and Health)

Indirect Methods of Assessment

1. C Comparison or benchmarking with peer institutions
2. C Job placement of graduates
3. C Employer surveys
4. C Advisory groups from your profession
5. C Graduate school acceptance rates
6. C Student graduation/retention rates
7. C Exit interviews with students graduating or leaving the program
8. C Student satisfaction surveys
9. A Student course evaluations
10. C Focus group discussions
11. C Alumni surveys
12. C Alumni honors, awards, achievements
13. A Analysis of grade distributions
14. C Peer review of courses
15. A Peer review of program
16. A Curriculum/syllabus analysis
17. B Community service/volunteerism participation
18. C Other:

Does your program have an experiential learning component? X **yes** **no**

If yes, how do you assess the student learning outcomes from that experience?

1. Participate in a class exercise designed to complement the experience
(See Assignment 3 in exit course)
2. Student journals
3. Formal evaluation procedures from field-based supervisor

- 4. Formal meetings between supervisor, student, and faculty
- 5. Formal test of practical skills
- 6. Other:

Implementation Plans

- 1. How has your department used any of the indicators above to improve services and programs for students?

The minor is new and the department has not yet gathered data that will help enhance student learning in the program.

- 2. When you think about developing and implementing an assessment plan, what concerns do you have?

Return this form to: Kelly Funk 221 Administration Building

g. Program description including statement and specific requirements of the program as they will appear in the University catalog

Interdisciplinary Minor in Environment and Health

This minor is open only to students in the College of Social Science.

This minor has limited enrollment capacity. Capacity limits are established by contributing units and are managed by the College of Social Science. Enrollment is on a first come, first served basis.

The Minor in Environment and Health is an enhanced interdisciplinary learning program of study designed to assist students in understanding the social context of people and the environment. The minor is administered by the Department of Geography.

Program Goal: Enhance the education and training of students who are interested in issues relating to the environment and health, including students who wish to prepare themselves for advanced degree programs in environment and health related studies or careers in related fields.

Students must complete **15-16 credits** from the requirements listed below:

Entry Course (3 credits)

GEO 151 Introduction to Human Geography 3

One of the following courses (3-4 credits)

- ANP 370 Culture, Health and Illness 3
- EC 498 Economics of Health Care (w) 3
- GEO 235 Geography of Environment and Health 3
- HDFS 225 Lifespan Human Development in the Family 3
- HST 425 History of Medicine *American and European* 4
- SOC 451 Dynamics of Population *Health Care since 1800* 3

Two of the following (6 credits)

- ANS 427 Environment Toxicology and Society 3
- EEP 260 World Food, Population and Poverty 3
- ENT 205 Pests, Society, and Environment 3
- EPI 390 Disease in Society: Introduction to Epidemiology and Public Health 4
- HNF 385 Public Issues in Nutrition and Health 3
- PHL 453 Ethical Issues in Global Public Health 3

Exit Course (3 credits)

GEO 435 Geography of Health and Disease 3

→ open only to SSC students

Advisor approval. Students who are enrolled in majors in the College of Social Science may use the completion of the Interdisciplinary Minor in Environment and Health to fulfill part of the College of Social Science requirement for the bachelor's degree.

16. Are there admissions requirements for this program?:

Grade or grade-point average requirements and if so in which course(s), portfolio requirement, audition, essay, etc. If there are not admission requirements other than those required by the University policy indicate "none".

none

DEPARTMENT LEVEL APPROVAL STATUS

Approved: Department of Geography
2/8/2016 3:25:48 PM by Alan Arbogast for Alan F. Arbogast, Chairperson

SIGNOFFS STATUS

Signed Off: College of Agriculture and Natural Resources

2/22/2016 10:42:21 AM by Kelly Millenbah for Kelly Millenbah, Associate Dean

Signed Off: College of Arts and Letters

2/16/2016 10:49:46 AM by Fred Rauscher for Fred Rauscher, Associate Dean

No Response by: College of Human Medicine

Signed Off: Department of Agricultural, Food, and Resource Economics

2/8/2016 5:34:56 PM by James Hilker for Steven Hanson, Chairperson

Signed Off: Department of Animal Science

2/8/2016 5:46:46 PM by Richard Balander for Janice C. Swanson, Acting Chairperson

Signed Off: Department of Anthropology

2/17/2016 12:54:53 PM by Jodie O`Gorman for Jodie A. O`Gorman, Acting Chairperson

Signed Off: Department of Economics

2/8/2016 4:20:12 PM by Margaret Lynch for Timothy Vogelsang, Chairperson

Signed Off: Department of Entomology

2/16/2016 4:22:38 PM by Heather Lenartson-Kluge for Douglas Landis, Acting Chairperson

Signed Off: Department of Epidemiology and Biostatistics

2/9/2016 10:56:03 AM by Nancy Bieber for Claudia Holzman, Chairperson

Signed Off: Department of History

2/10/2016 3:08:55 PM by Emily Tabuteau for Walter W. Hawthorne III, Chairperson

Signed Off: Department of Human Development and Family Studies

2/9/2016 10:32:28 AM by Karen Mills for Amy Bonomi, Chairperson

Signed Off: Department of Philosophy

2/10/2016 5:45:12 AM by Matt McKeon for Matthew McKeon, Chairperson

Signed Off: Department of Sociology

2/10/2016 2:56:17 PM by Ray Jussaume for Ray Jussaume, Chairperson

COLLEGE LEVEL APPROVAL STATUS

Approved: College of Social Science

3/11/2016 4:23:49 PM by Michael Connelly for Steven Kautz, Associate Dean

MINOR IN ASIAN STUDIES

The Minor in Asian Studies, which is administered by the College of Social Science, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. Although the minor complements a number of major fields, students who plan graduate study related to Asia or who wish to pursue careers in government or with corporations in Asia may find the minor particularly appealing. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the minor may also be used to satisfy the requirements for the bachelor's degree. Courses taken in a Michigan State University Study Abroad program in Asia may be counted toward the minor with the permission of the Director of the Asian Studies Center and the student's advisor.

The Minor in Asian Studies provides an opportunity for students to create a multidisciplinary specialty with Asia as the focus. The student's program of study for the minor must be approved in advance and in writing by the advisor for Asian Studies in Social Science.

Requirements for the Minor in Asian Studies

The student must complete a minimum of 16 credits:

1. The following core course (4 credits):

HST	160	Introduction to Asian History and Culture	4
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2. One of the following courses (3 or 4 credits):

ANP	414	Anthropology of South Asia	3
ANP	415	China: Culture and Society	3
ANP	419	Anthropology of the Middle East	3
EC	406	Economic Analysis of Russia and the Commonwealth of Independent States (W)	3
EC	413	Economic Analysis of Asia (W)	3
GEO	339	Geography of the Middle East and North Africa	3
GEO	340	Geography of Eurasia	3
HST	209	Traditional East Asia	4
HST	210	Modern East Asia	4
HST	343	Russia from Peter the Great to Lenin	3
HST	344	Russia in Twentieth Century	3
HST	365	The Vietnam War	3
HST	366	Southeast Asia in the Age of Empire	3
HST	367	Imperial China	3
HST	368	China since 1900	3
HST	369	Japan to 1800	3
HST	370	Japan since 1800	3
HST	372	The Middle East: Islam and Empires	3
HST	373	The Modern Middle East: From Empires to Nation States	3
HST	451	Special Topics in Asian History	3
HST	485	Seminar in Asian History (W)	3
ISS	330B	Asia: Social Science Perspectives (I)	4
MC	441	Islam and World Politics	4
PLS	354	Politics of Asia	3
PLS	358	Politics of the U.S.S.R. and Its Successor States	3

The following courses may not fulfill requirement 3. below if used to fulfill this requirement: MC 441 and PLS 358.
3. Complete at least 6 credits from the following courses (6 credits):

ASN	291	Special Topics in Asian Languages	1 to 4
ASN	401	East Asian Cultures (W)	3
HA	260	Asian Art	3
HA	261	Modern Asian Art	3
HA	462	The Arts of China	4
HA	463	Japanese Art	4
IAH	204	Asia and the World (I)	4
IAH	211B	Area Studies and Multicultural Civilizations: Asia (I)	4
LL	250B	Topics in National Cinemas: East Asian Cinema	3
MC	323	Japanese Foreign Policy	4
MC	324D	Regional Politics, Cooperation, and Conflict in Asia	4
MC	328	Russian Foreign Policy	4
MC	441	Islam and World Politics	4
MUS	425	Music of South Asia and Its Diaspora	2
MUS	429	Music of East Asia	2
PLS	358	Politics of the U.S.S.R. and Its Successor States	3
REL	325	East Asian Buddhism	3
REL	330	Islam	3
REL	335	East Asian Religions	3
REL	340	Hinduism	3
REL	345	Religions of South Asia	3
REL	350	Buddhism in South Asia	3
REL	355	Southeast Asian Religions	3
REL	430	The Qur'an and Its Interpreters (W)	3
REL	432	Modern Muslim Thought (W)	3

The following courses may not fulfill requirement 2. above if used to fulfill this requirement: MC 441 and PLS 358. Students may not use both IAH 204 and IAH 211B to fulfill this requirement.
4. The following course (3 credits):

GEO	337	Geography of Asia-Pacific	3
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With the advance approval of the Asian Studies advisor in the College of Social Science, other courses and options such as study abroad, study away, and independent study may be used to fulfill minor requirements. Student are encourage to take courses in Asian languages to enhance their understanding of Asia.

Insert ①

**SPECIALIZATION IN GENDER AND GLOBAL
CHANGE**

MINOR IN ENVIRONMENT AND HEALTH

The Minor in Environment and Health, administered by the Department of Geography, enhances the education and training of students who are interested in issues relating to the environment and health, including students who wish to prepare themselves for advanced degree programs in environmental studies, health studies or careers in related fields.

The minor is available as an elective to students who are enrolled in bachelor's degree programs in the College of Social Science. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree.

Students who plan to complete the requirements of the minor should consult the undergraduate adviser in the Department of Geography.

Requirements for the Minor in Environment and Health

Complete a minimum of 15 credits from the following.

			CREDITS
1.	The following course (3 credits):		
	GEO 151	Introduction to Human Geography	3
2.	One of the following courses (3 or 4 credits):		
	ANP 370	Culture, Health and Illness	3
	EC 498	Economics of Health Care (W)	3
	GEO 235	Geography of Environment and Health	3
	HDFS 225	Lifespan Human Development in the Family	3
	HST 425	American and European Health Care since 1800	4
	SOC 451	Dynamics of Population	3
3.	Two of the following courses (6 credits):		
	ANS 427	Environment Toxicology and Society	3
	EEP 260	World Food, Population and Poverty	3
	ENT 205	Pests, Society, and Environment	3
	EPI 390	Disease in Society: Introduction to Epidemiology and Public Health	4
	HNF 385	Public Issues in Nutrition and Health	3
	PHL 453	Ethical Issues in Global Public Health	3
4.	The following capstone course (3 credits):		
	GEO 435	Geography of Health and Disease	3