Jeanne and Stacey:

The proposal from the School of Environment and Natural Resources to revise the Master of Environmental and Natural Resources Program was approved by the Council on Academic Affairs at its meeting on June 14, 2024. Thank you for attending the meeting to respond to questions/comments.

No additional level of internal review/approval is necessary. This action will be included in the Council's next Annual Activities Report to the University Senate (July 2024).

The Office of the University Registrar will work you with any implementation issues.

Please keep a copy of this message for your file on the proposal and I will do the same for the file in the Office of Academic Affairs.

If you have any questions please contact the Chair of the Council, Professor Fábio Leite (.11), or me.

Randy

THE OHIO STATE UNIVERSITY

W. Randy Smith, Ph.D.
Vice Provost for Academic Programs
Office of Academic Affairs

University Square South, 15 E. 15th Avenue, Columbus, OH 43201
614-292-5881 Office
smith.70@osu.edu
Assisted by:
Katie Reed
Executive Assistant
(614) 292-5672
reed.901@osu.edu

TO: Randy Smith, Vice Provost for Academic Programs

FROM: Graduate School Curriculum Services

DATE: **4/12/2024**

RE: Proposal to **Revise the Master of Environmental and Natural Resources Program** in **College of Food, Agricultural and Environmental Studies.**

The **School of Environment and Natural Resources** in the **College of Food, Agricultural and Environmental Sciences** is proposing a **Revision of the Master of Environmental and Natural Resources**.

The proposal was received by the Graduate School on **2/13/2024**. The combined GS/CAA subcommittee first reviewed the proposal on **2/28/2024** and requested revisions. Final revisions were received on **4/10/2024**. It is recommended for review at CAA.

February 5, 2024

Vice Provost W. Randy Smith
Office of Academic Affairs
203 Bricker Hall
190 North Oval Mall

Dear Vice Provost Smith,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revision to the Master of Environment and Natural Resources, including the addition of an option in Ecosystem Health as outlined in the attached documents.

The proposal to revise the MENR core consists of the addition of two required courses, both of which provide knowledge in key areas important to the career areas served by this non-thesis graduate program. The addition of the Ecosystem Health option provides additional preparation for students, including professional students in the College of Veterinary Medicine, to enhance their career options.

This proposal has been approved by the School of Environment and Natural Resources and by the College of Food, Agricultural, and Environmental Sciences Committee on Academic Affairs. Please let me know if any additional information is needed in support of this request.

Sincerely,

Jeanne Osborne
Assistant Dean for Academic Affairs
College of Food, Agricultural, and Environmental Sciences
Osborne.2@osu.edu
Tel: 614-292-2389

Cc: Dr. David Barker, Dr. Ellen Klinger, Dr. Ann Christy

From:	Osborne, Jeanne
Sent:	Wednesday, April 10, 2024 4:04 PM
To:	Kowalsky, Lisa
Cc:	Miriti, Maria; Jones, Susan; Haab, Timothy; Fineran, Stacey; Berardo, Ramiro
Subject:	FW: MENR-Tag proposal follow up
Attachments:	MENR-EH_proposal_combined_April4.pdf; Proposal_MENR_NewCore_combined_April4.pdf

Follow Up Flag:	Follow up
Flag Status:	Flagged

Dear Lisa,

Attached please find the further revised proposals to revise the MENR and the proposal for the new MENR – EH option per the additional feedback from the GS/CAA.

Please let me know if further information is needed.

Take care,

Jeanne

THE OHIO STATE UNIVERSITY

Jeanne M. Osborne | *Pronouns: She, Her, Hers*
Assistant Dean for Academic Affairs
College of Food, Agricultural, and Environmental Sciences
100E Agricultural Administration, 2120 Fyffe Rd.
Columbus, OH 43210
Tel: 614-292-1734
Fax: 614-292-1218
e-mail: Osborne.2@osu.edu

'Unexpected kindness is the most powerful, least costly, and most underrated
agent of human change' (Bob Kerrey)

From: Kowalsky, Lisa <kowalsky.10@osu.edu>
Sent: Tuesday, April 2, 2024 9:40 AM
To: Osborne, Jeanne <osborne.2@osu.edu>
Cc: Miriti, Maria <miriti.1@osu.edu>
Subject: MENR-Tag proposal follow up

Hi Jeanne,

I hope you are doing well!

THE OHIO STATE UNIVERSITY

April 4, 2024

Vice Provost W. Randy Smith
Office of Academic Affairs
203 Bricker Hall
190 North Oval Mall
Columbus, OH 43210

RE: Response to feedback received from the February 28, 2024 review of the proposal to revise the MENR Core by the combined Graduate School – Council on Academic Affairs (GS/CAA) committee.

Dear Vice Provost Smith,

Enclosed please find materials to support a proposed degree revision of the Core courses for the Master of Environment and Natural Resources (MENR), which is a tagged, professional (non-thesis), course-based master's degree program in the School of Environment and Natural Resources (SENR), College of Food, Agricultural and Environmental Sciences (CFAES).

We request that the MENR required Core courses be revised to include:
- ENR 5210 U.S. Environmental Impact Assessment, which is an existing course, and
- ENR 6100 Advanced Principles of Environmental Science, as the required ecology Core course for the program.

These two changes in the MENR Core will help provide the consistency and predictability needed to meet anticipated future demands on the program, and to better serve the needs of MENR students seeking careers in environmental management.

After careful consideration and discussion by the SENR Graduate Studies Committee and broader faculty, it was determined by a favorable faculty vote to revise the MENR Core to include ENR 5210 and ENR 6100.

Per the GSCAA guidelines for degree revision, we are submitting the following:
- A statement of the percentage change in credit hours to the existing program
- A narrative of the rationale and motivation for this revision
- A transition plan
- A statement on changes to the learning goals, program objectives, and/or assessment plan

- The academic program learning outcomes assessment plan document
- A revised MENR curriculum planning sheet

Based on comments received from the February 28th, 2024 review by the combined Graduate School – Council on Academic Affairs (GS/CAA) committee, we have revised the MENR Core Revision proposal package by:

1) indicating a 16.7% credit hour modification of the program curriculum by moving two three-credit-hour courses (ENR 5210 and ENR 6100) from possible "electives" to "required" Core courses. This response to the subcommittee's comment can be found on page two of the MENR Core Proposal document under the section titled, "Statement of the percentage change to the existing program," and

2) listing the modalities (in person, hybrid, or online) for each of the Core courses. For the environmental social science Core course (ENR/RURLSOC social science course), the modality can vary depending on the course selected to fulfill this requirement. This response to the subcommittee's comment can be found on page three of the MENR Core Proposal document under the section titled, "Rationale and motivation for the revision."

3) Adding the modalities of the professional practice courses, ENR 7191 MENR Internship and ENR 7981 MENR Seminar, to page three of the proposal document under the section titled "Rationale and motivation for the revision" as well as on the revised MENR curriculum planning sheet to clarify that the professional practice courses are currently approved as in-person courses.

4) Additional paragraphs have been added to page three of the proposal document under the section titled "Rationale and motivation for the revision" to describe current advising practices and monitoring/support of the student experience to make clear that whether students are taking courses as in person, online, or hybrid, they have the same level of support throughout the program.

Again, thank you for your review of this request. We look forward to receiving any additional feedback so that we may improve our MENR program to best support student success and fulfill SENR's commitment to helping prepare career professionals in environmental management.

Sincerely,

Prof. Ramiro Berardo
Interim Chair, Environment and Natural Resources Graduate Studies Committee
Professor of Environmental and Natural Resources Policy

Proposal to Revise MENR Tagged Master's Degree Program:
New MENR Core Requirements

Statement of the percentage change to the existing program

There will be an 16.7% credit hour change to the MENR program due to moving two courses, ENR 5210 (3 credit hours, online asynchronous) and ENR 6100 (3 credit hours, online asynchronous) from being possible MENR "electives" to "required" courses in the MENR Core. The minimum total number of hours to complete the MENR will remain 36 overall. This is less than a 50% change to the current MENR degree program.

Rationale and motivation for the revision

The MENR is a tagged, course-based professional master's degree requiring completion of a robust professional development curriculum including Core (required) courses, MENR elective courses, professional network building through two semesters of a program-specific seminar course, and a summative internship experience in natural resources management. The proposed Core (required) courses support interdisciplinary study across legal frameworks for natural resource management (ENR 7520, 3 credit hours, online asynchronous), environmental natural sciences (ENR 6100, 3 credit hours, online asynchronous), environmental social sciences (ENR/RURLSOC social science course, as selected with the advisor, the modality will depend on the course selected to fulfill this requirement), and a natural resource management interdisciplinary course (ENR 5210, 3 credit hours, online asynchronous).

The MENR tagged program is not currently designed or approved to be delivered as a fully online program. However, many of the courses, including the MENR Core courses, are available in an online, asynchronous format. Importantly, the MENR Professional Practice courses, ENR 7191 MENR Internship (3 credit hours) and ENR 7981 MENR Seminar (1 credit hour), are not currently approved as online courses and therefore their modality of offering is listed as in person.

Under the MENR curriculum, MENR students take both in-person and online asynchronous courses, and sometimes also hybrid courses. All MENR students have the support of a dedicated MENR Director (faculty advisor) and dedicated Program Manager (academic program specialist/staff advisor) both of whom interact with students from initial interview and recruiting to in-program advising for program of study course selection, internship advising, placement, and evaluation, career counseling, and job placement support. Advising meetings are available both in person/on campus and online/virtual during the program experience. In addition, a new Carmen program management forum has been developed and is being actively used by students, streamlining the successful completion of program requirements throughout the lifecycle of the MENR experience. Additional SENR career counseling support services are delivered both in person/on campus and online/virtually.

The School of Environment and Natural Resources (SENR) faculty voted on April 7, 2023 in favor of changing the MENR Core (required) courses and is requesting official approval of these changes to the MENR program structure. The new Core structure reflects the interdisciplinary nature of the School of Environment and Natural Resources and allows for course predictability in a time of ongoing growth in the MENR.

Currently, the MENR Core consists of three courses which must total 9 credit hours: A course in environmental law and two courses designed to reflect the interdisciplinary nature of programs within the SENR:
- ENR 7520: Environmental Science and Law (3 credit hours; online asynchronous)

- *ENR/RURLSOC social science course (5000 level or above; 3 credit hours, the modality depends on the course selected to fulfill this requirement)
- An ecology course (5000 level or above; 3-4 credit hours, the modality depends on the course selected to fulfill this requirement)

We request to increase the Core to include four courses, totaling 12 credit hours:
- ENR 7520: Environmental Science and Law (3 credit hours; online, asynchronous)
- *ENR/RURLSOC social science course (5000 level or above; 3 credit hours, the modality will depend on the course selected to fulfill this requirement)
- ENR 6100: Advanced Principles of Environmental Science (3 credit hours; online, asynchronous)
- ENR 5210: US Environmental Impact Assessment (3 credit hours; online, asynchronous)

*MENR students are required to gain holistic training in key natural and social science themes, theories and concepts relevant to understanding and managing coupled human-natural systems. Students will select in consultation with their graduate advisor a social science course reflective of their particular professional goals. Social science courses commonly used to fulfill this requirement include ENR 7400: Communicating Environmental Risk (in person), ENR 7380: Climate and Society (in person), RURLSOC 5580: Social Impact Assessment (online, asynchronous). Other courses may be selected with permission of the MENR Director.

Transition plan

Current students will be grandfathered under the system that was in place when they were admitted, while being encouraged to adopt the new Core if/as appropriate. All new students admitted once the new Core is in place will be required to complete the new Core. Any exceptions to this could be requested via petition and reviewed by the Graduate Studies Committee.

Changes to Learning Goals, Program Objectives, and/or the Assessment Plan

The learning goals and program objectives will be expanded to include assessment of a fourth specified Core (required) course. There will be no other changes or additions to the MENR Assessment Plan (see Appendix A) as a result of changing the MENR Core courses, and all program learning goals and outcomes will remain in place.

MENR Program of Study

Student Name and OSU Email Address		Projected Term of Graduation	
		Semester	**Credit**

Core Courses (9-10 credit hours)

ENR 7520	Environmental Science and Law		3
	Ecology Course:		
	Social Science course:		

Professional Development Courses (5 credit hours)

ENR 7981	MENR Seminar		1
ENR 7981	MENR Seminar		1
ENR 7191	MENR Internship		3

MENR Elective Courses (minimum 15-16 credit hours)

Skills Courses (minimum 6 credit hours)

Total Program Credit (minimum of 36 credits):

Signatures required on back of form

THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

MENR Program of Study

Conditional Admission Requirements

If you were admitted with the condition that you complete specific course requirements, please list those courses below:

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Additional MENR Electives (if needed)

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Required Signatures:

Student

Name   Signature & Date

MENR Director

Name   Signature & Date

Graduate Program Manager

Name   Signature & Date

Date submitted to GSC _____

_____

Chair, SENR Graduate Studies Committee   Date

THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Revised SJB 3/29/23

MENR Program of Study

Student Name and OSU Email Address | Projected Term of Graduation

Core Courses (12 credit hours)

		Semester	Credit
ENR 7520	Environmental Science and Law (online asynchronous)		3
ENR/RURLSOC	Social Science course (modality depends on course selected)		3
ENR 6100	Adv. Principles of Environmental Science (online asynchronous)		3
ENR 5210	US Environmental Impact Assessment (online asynchronous)		3

Professional Development Courses (5 credit hours)

ENR 7981	MENR Seminar (in person)		1
ENR 7981	MENR Seminar (in person)		1
ENR 7191	MENR Internship (in person)		3

MENR Elective Courses (minimum 13 credit hours)

Skills Courses (minimum 6 credit hours)

Total Program Credit (minimum of 36 credits):

Signatures required on back of form

THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

MENR Program of Study

Conditional Admission Requirements

If you were admitted with the condition that you complete specific course requirements, please list those courses below:

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

Additional MENR Electives (if needed)

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

Required Signatures:

Student

Name	Signature & Date

MENR Director

Name	Signature & Date

Graduate Program Manager

Name	Signature & Date

Date submitted to GSC _____

_____
Chair, SENR Graduate Studies Committee   Date

Environment and Natural Resources – Master of Environment and Natural Resources {ENVNATR-MENR}

Academic Program Learning Outcomes Assessment Plan

Program Learning **Goals** *Broad descriptive statements of what students are to be able to do, know, and care about upon the completion of the program*	Supporting/Contributing **Outcomes** *Detailed descriptions of what a student must be able to do to reach a goal under the specific conditions*	**Measures** – Means/Methods *the method or means by which the quality of student learning for each goal and associated outcome will be measured and assessed*				**Criteria** *The standards the program will use to evaluate the quality of student learning for each goal and associated outcome*
			Course or program requirement	*Embedded course assignment, exam, exercise, or activity to serve as authentic assessment method*	*Relevant topic or reference to program element*	
1.0 Demonstrate mastery of foundational knowledge in Environment and Natural Resources (ENR) through MENR core courses: • ENR legal framework • ENR social science • ENR ecology/natural science • ENR interdisciplinary studies/environmental impact course	1.1 Develop understanding of legal framework that defines the responsibilities of ENR agencies and organizations	1.1.1	Appraisal of progress toward completion of degree program	Direct --completion of core legal course *Academic performance in core course on ENR legal framework.*	Course grade indicating B or better in course (ENR 7520, online asynchronous)	A
	1.2	1.2.1	Appraisal of progress toward completion of degree program	Direct --completion of a core social science course *Academic performance in core ENR Social science course.*	Course grade indicating B or better in course (ENR/RURLSOC XXXX, modality depends on course selected)	A
	1.3 Develop fundamental understanding of the ecology/natural	1.3.1	Appraisal of progress	Direct	Course grade indicating B or better in	

			science of ENR problems and issues		toward completion of degree program	--completion of core ecology/natural science course *Academic performance in core ENR Ecology/natural science course.*	course (ENR 6100, online asynchronous)	A
		1.4	Develop fundamental understanding of interdisciplinary studies/environmental impact	1.4.1	Appraisal of progress toward completion of degree program	Direct --completion of core interdisciplinary studies/environmental impact course *Academic performance in core ENR interdisciplinary studies course.*	Course grade indicating B or better in course (ENR 5210, online asynchronous)	A

2.0	Demonstrate professional skills applicable to ENR field of professional practice	2.1	Develop professional skills related to ENR field of professional practice	2.1.1	Appraisal of progress toward completion of degree program	Direct --completion of skills courses *Academic performance in skills courses*	Course grades indicating B or better in skills courses	A

3.0	Demonstrate mastery of knowledge in ENR field of study	3.1	Develop depth of knowledge in ENR field of study	3.1.1	Appraisal of progress toward completion of degree program	Direct --completion of MENR elective courses *Academic performance MENR elective courses.*	Course grades indicating B or better in MENR elective courses	A

4.0	Demonstrate professional development in ENR through MENR professional development courses: • MENR Seminars • MENR Internship	4.1	Interact with ENR professionals	4.1.1	Appraisal of progress toward completion of degree program	Indirect -- completion of ENR 7981 MENR Seminar (in person) *Attendance at ENR and related events*	Overall course grade of Satisfactory	B
		4.2	Obtain experience working directly with ENR agency or organization through: • In-career internship, • Paid internship, or • Volunteer experience	4.2.1	Appraisal of progress toward completion of degree program	Direct -- completion of ENR 7191 MENR Internship (in person)	Overall course grade of satisfactory	B, C

Criteria

Indicate the standards the program will use to evaluate the quality of student learning for each goal and associated outcome. Programs are to indicate both the minimum criteria required to assert a learning outcome (and thus collectively with other outcomes the associated goal) was achieved, and criteria of excellence the program is striving toward.

A	Minimal acceptable criterion for this identified supporting learning outcome is 75% of the enrolled MENR students earn a **grade of B (3.0) or above** for the course. When 90% of the enrolled MENR students obtain **grades of B (3.0) or above** for the course, the aspirational performance standard constituting programmatic excellence for this learning outcome will be attained.
B	Minimal acceptable criterion for this identified supporting learning outcome is 75% of all MENR students earn a **grade of Satisfactory** for the course. When 90% of all MENR students obtain **grades of Satisfactory** for the course, the aspirational performance standard constituting programmatic excellence for this learning outcome will be attained.
C	Minimal acceptable criterion for this identified supporting learning outcome is 75% of all MENR students participating in an internship will receive a **positive evaluation** from their supervisor. When 90% of all MENR students participating in an internship receive a **positive evaluation** from their supervisor, the aspirational performance standard constituting programmatic excellent for this learning outcome measure will be attained.