

Environmental NTRN, food systems

Rationale:

INTERCONNECTION –FOOD/FOOD

DGA: foundational to Public health

Alignment CWRU STRATEGIC PLAN

**“ADVANCING INTERDISCIPLINARY I
EXPERTISE TO WORLD’S MOST PRE.**

“SCHOLARSHIP THAT DEEPENS OUR

**VISION: “SUPPORT ADVANCEMEN
AREAS OF INTERDISCIPLINARY EXCI**

Support:

-Dr. Orman (chair “capacity is fine’

- Dr. McCall-course instructor

-Dean SOM/ Dept. Chair

Resources: Existing

Intro Environ.Thinking (101);

340 (global food systems); 342; 201

Electives: 328; 343; 341; 337; 300; 3

DESCRIPTION ∅New Minor Program ∅Nutrition Department: FINAL VERSION (Nov. 13, 2018)

College/School: School of Medicine
Department: Nutrition

PROPOSED: major
 minor
 program
 sequence
 degree

5)

Curriculum Requirements

This minor program requires completion of five courses plus one 3 cr. hr. course elective (16 credit hours total).

Requirements Course Number Title (cr. hrs.):

NTRN 340* * Global Food Systems: Environmental Issues, Sustainability and Health (3)

NTRN 342** * Food Science (3)

NTRN 201 Introduction to Nutrition (3)

NTRN 200 Case Cooks and Healthy Lifestyles (includes session on Carbon-Neutral Nutrition) (1)

ESTD 101 Introduction to Environmental Thinking (3)

Plus, one elective from any of the following courses (3):

NTRN 328 Child Nutrition, Development, and Health

NTRN 343 Dietary Patterns

NTRN 341 Food as Medicine

NTRN 337 Nutrition Communication, Counseling, and Behavior Change

NTRN 300 Healthy Lifestyles as Medicine

NTRN 351 Food Service Systems Management

Required course offerings:

Fall course options = NTRN 200, 201, and 342, and elective

Spring course options = NTRN 340, ESTD 101 (and elective if not prior)

Depending on the student's overall schedule, this minor program may be completed in as little as two semesters or spread over two or more semesters.

* No more than six credit hours may double count between this minor and another major or minor offered by the Department of Nutrition.

** The new course application for this course has already been submitted. (There are no prerequisites for this course.)

** * The prerequisite for NTRN 342 will be changed from CHEM 106 to CHEM 105 pending CHEM 111 or equivalent.

Course size limits:

Courses will be limited to 50 students per class.

Attendance requirements:

Attendance is mandatory; students are expected to attend classes regularly. Students will receive the final grade of F and asked to drop the course if there are more than 3 unexcused (i.e. nonmedical, emergency, etc.) absences per course. The instructor may also report excessive absences to the Office of Undergraduate Studies, along with notifying the student's dean in writing. (See more at <http://bulletin.case.edu/undergraduestudies/policies/>)

Letters of Support already obtained

CAS Departments:

Peter L. McCall, PhD Professor Department of Earth, Environmental, and & Planetary Policy, Department of Biology, Director, Program in Environmental Studies.

Jim Van Orman, PhD Chair, Department of Earth, Environmental, and Planetary Studies

School of Medicine (CWRU):

Pamela Davis, MD, PhD Dean and Professor, School of Medicine

Hope Barkoukiş PhD, RD, LD, FAND Chair, Department of Nutrition

Required course offerings:

Fall course options = NTRN 200, 201, and 342, and elective

Spring course options = NTRN 340, ESTD 101 (and elective, if not prior)

Depending on the student's overall schedule, this minor program may be completed in as little as two semesters. In the majority of cases we anticipate work on this minor to spread over two or more semesters.

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the Department of Nutrition and Environmental Studies is situated within the School of Medicine and the College of Arts and Sciences, respectively

V.1 Projected Enrollment

Define expected national and international enrollment targets over a five-year period:

Whereas it is beyond the scope of our role to forecast precise national and international related enrollment targets, during the past 8 years, there have only been 17 students who have done a minor within the Nutrition Department. Although we anticipate that this new minor program will be of interest to students, there is strong indication that this will not represent an undue burden on any particular course because the student interest is very likely to be spread over a number of years. Thus, expressed numerically over the next five years, we expect to reach a total enrollment target of 15. We look to add 2-3 new students (ge) 4 (t) -2 () -10 (of)m BT 5009 597.12 cm BT 50 0 0 50 indication a t

of Nutrition at Case Western Reserve University since 2003. Prior to joining the faculty at Case, Dr. Swain was a research scientist/postdoctoral fellow for the United States Department of Agriculture (USDA). He is a Registered Dietitian Nutritionist (RDN), licensed nationally and also by the State Medical Board of Ohio. Dr. Swain has also served a five-year term on the U.S. Food and Drug Administration's (FDA) Food Advisory Committee.

Describe the need for additional faculty, staff, facilities, or other resources and the plans to meet this need:

None. (No additional resources needed; also, see response to prior question).

VII. Expense and Revenue

Project expenses to launch initiative and description of ongoing expenses and expected:

None—no additional expenses; also, see response in prior section.

In regards to tuition return, the return would be based on enrollment and, although there is significant student interest and demand for this new minor program topic area, this currently may not be predicted fully. Our tuition revenue return would be included as usual—that, University-wide arrangement that 85% of tuition follows courses.

Provide evidence of institutional commitment and capacity to meet these expenses.

There are no revenue requirements from CAS, except for our usual tuition return—that, University-wide arrangement that 85% of tuition follows courses.

At the department level (Department of Nutrition), the faculty sponsor (Dr. James Swain) is already a full-time faculty and this new minor will be integrated into his position. He will also be teaching two of the courses within this minor program; perhaps, three depending on the specific elective selection by the student.

VIII. Other Expenses and Revenue Questions

Is the initiative designed to be revenue generating? Define the expected revenue beyond the cost of expenses.

This new minor program is designed to position us to provide all students innovative and cutting-edge educational offerings. At this stage, it is not possible to fully predict revenue. Our usual tuition return revenue would be included as usual.

Describe the need and justification for tuition waivers or stipends:

Not applicable.

Describe expense or revenue sharing with other CWRU schools and/or administrative offices:

This new minor program will be operated under the current standard tuition return approach between the CAS and School of Medicine (SOM), which is that the University wide arrangement that 85% of tuition follows courses.

Identify likely sources and assess the near and long term likelihood of raising funds to support the initiative in such categories as external and internal grants and philanthropy.

Not applicable.

IX. Library Resources

Describe the initial assessment of adequacy of library resources:

This new minor program is comprised of courses within which the faculty instructor will guide students in regards to searching for and obtaining supporting information and documents. The vast majority of information will be obtained via online journals, information packets provided by faculty, and in some cases textbooks (i.e. obtained through the CWRU bookstore or access via publisher's website) and other electronic resources. Students will be provided with reference reading materials by the faculty instructors and be guided as to appropriate primary and secondary sources of literature for use in classes. An exploration of current resources indicates that current references in print and available electronically via basic and advanced search approaches are present and sufficient. Our faculty are experts in their respective fields and teach to their expertise. They will also be providing information packets for students in their courses.

Date at which program proposal was submitted to the library for its review:

9/18/2018 (completed 10/10/2018)

(Note: Jessica Decaro and Shannon Butcher completed the library review process for this new minor program application on Oct. 10, 2018. See attached.)

X. Relationship of Proposal to Strategic Plans

How does the proposed curricular initiative relate to the priorities of the CAS strategic Plan?

This new curricular initiative fits into the CAS strategic plan in that the CAS plan includes development and sustaining new initiatives. It is ab8

For reference specifically, on page 7 (Goal 4) of the CAS strategic plan document, there is mention of supporting innovative curricular partnerships across the university (i.e. in this case, our new minor program involves the Department of Nutrition and the Department of Earth, Environmental, and Planetary Sciences). Further, page 14 of the CAS strategic plan document states that the CAS (CWRU) is interested in developing interdisciplinary initiatives that are attractive locally, nationally, and internationally to prospective students.

How does the proposed curricular initiative relate to the priorities of the CWRU strategic plan?

There are two key ways in which this new minor program does this:

- 1) Advancing interdisciplinary initiatives
- 2) Dedication to the core values of teaching, education, and positive impact. This represents an innovative approach to education spanning two interdisciplinary priorities identified in CWRU'S Strategic Plan for 2018: Health and Sustainable Value. Through this program, students will be challenged to become thought leaders in addressing the most pressing issues related to sustainable food systems, especially production and procurement as well as human nutrition and health.