This course proposal form should be completed when introducing a new course or a revision of an existing course. The proposal will be reviewed by the Committee on Curriculum, or, in the case of minor revisions, will be approved administratively by the Associate Provost for Instruction.

This Course Proposal must be completed according to the guidelines provided in Course Proposal Form – Instructions and Guidance. Please see the last page of Course Proposal Form – Instructions and Guidance, for instructions on how this Course Proposal should be submitted to the Committee on Curriculum for review.

Date: June 26, 2019

1. Course Information:

1.1 Course Prefix and Number: ENS 232
Course Title: Professional Development in Environmental Science
(If a new or renumbered course, please check with the Registrar regarding the use or reuse of the course number)

1.2 □ This is a New Course.
   OR
 □ This is a Major Course Revision
   OR
 □ This is a Minor Course Revision

If this is a Course Revision, please see Course Proposal Form – Instructions and Guidance to determine if your revision is major or minor. Indicate below the reason(s) for the revision.

(Please check all that apply)

□ Course Number/Division □ Learning Outcomes □ Institutional Resources
□ Title □ Concepts, Content □ Semester Offered
□ Credit hours □ Catalog Description □ Course Inactivation
□ Pre- or Co-requisite(s) □ Instructional Methods □ Course Reactivation
□ Format □ General Education

1.3 General Education knowledge and skills area (if applicable): If none, check here □

□ American History □ Humanities □ Other World Civilizations
□ The Arts □ Mathematics □ Social Sciences
□ Basic Communication □ Natural Sciences □ Western Civilization
2. Proposer Need Statement:

2.1 Describe why this course (or course revision) is needed to meet current or proposed goals and outcomes of the program or College, and, if a revision, provide an explanation of and justification for the revision. Within the major of Environmental Science, there is a need for structure, guidance, and direction beyond the first year orientation seminar for both personal and professional growth and development. This course will meet the goal of streamlining the Environmental Science program by addressing first year concerns and continuing to refine and develop students' academic and professional goals.

2.2 List the pre-requisite or co-requisite courses (taught within the home department or taught by another department) and explain their relationship to the proposed course. N/A

2.3 Explain the impact of this course in meeting the goals and outcomes of other Departments/programs (if any). N/A

2.4 If the proposed course is designed to fulfill SUNY General Education Requirements, the Associate Provost for Instruction must review this proposal to ensure that General Education Requirements will be met for the specified knowledge area (See Instructions and Guidance). Please provide an explanation of how this course fulfills SUNY General Education Requirements. N/A

2.5 What are the staffing requirements (instructor, TA, Lab tech, etc.) for this course? If a new course, are there new staffing needs or are there adequate staff members already in place? If a revised course, are there additional staffing needs? The staffing requirements can be met by existing staff members, and will also include the solicitation of guest lecturers for several specialized lecture topics.

2.6 What Department (or extra-Department) resources are or will be made available to support the course or course revision? Existing staff and facilities will be able to service the goals of this course with minimal additional resources.

2.7 Anticipated Enrollment (enter where applicable)

<table>
<thead>
<tr>
<th>Fall Semester:</th>
<th>Spring Semester:</th>
<th>26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer Semester:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.8 Anticipated frequency of class meetings. 1x per week for 1 hour, with the additional expectation that students attend professional workshops.
3. DETAILED COURSE DESCRIPTION

3.1 COURSE IDENTIFICATION AND FORMAT:

3.1.1 Course Prefix and Number: ENS 232
3.1.2 Course Name: Professional Development in Environmental Science
3.1.3 Credit Hours: 1
3.1.4 Semester (check all that apply): Fall □ Spring □ Summer □
3.1.5 Format (check as appropriate): Lecture □ Online □ Lab □ Field □ Other □ (explain) Lecture-seminar combination
3.1.6 Contact hours per week: There will be a 1-hour session per week, with the expectation that students take part in professional development outside of the classroom to total 40 hours over the course of the semester.
3.1.7 Prerequisite(s) – if none, please enter “None” (Be specific, as Upper Division courses and Graduate courses will likely have some pre-requisite knowledge) ENS 132 or equivalent.

3.2 SCOPE:

3.2.1 Level of Instruction (check one, or two if a shared resource course):
   Lower Division □ Upper Division □
   Beginning Graduate □ Advanced Graduate □

3.2.2 Relation to curriculum or to other ESF or Syracuse University courses:
   a. Is this a required course? No □ Yes □.
      If Yes, please list the program(s) for which it is a requirement: Environmental Science
   b. Is this an elective course within your department? No □ Yes □.
   c. Is enrollment in this course restricted? No □ Yes □.
      If Yes, please explain:
   d. Are other ESF or SU courses similar or identical to this course? No □ Yes □.
      If Yes, please identify the courses: FCH 232
   e. Is this course a shared resource offering (i.e. is there a graduate or undergraduate concurrent offering)? No □ Yes □.
      If Yes, what is the course number of the concurrent offering?

3.3 STUDENT LEARNING OUTCOMES:

Identify the student learning outcomes associated with this course. Having completed this course, students should be able to:

1) Execute professional tasks including research, critical thinking exercises, and delineation and execution of roles to complete a group project. This component will be reinforced by requiring attendance at one community meeting/workshop.

2) Exercise resilience and responsiveness in regard to academic performance, as well as mental and physical stressors.
3) Make an informed decision regarding option area selection, and move towards upper-division work that aligns with personal and professional goals. This component will be informed by in-depth option area discussions.

3.4 MAJOR CONCEPTS, PROCESSES or TOOLS:

Identify the course content and themes (e.g. Table of Contents) consistent with the learning domains and outcomes. The course content will be comprised of three overarching themes, including student development, goal/interest refinement, and professional skills development. The first theme will incorporate sessions focused on reflecting on the first-year experience, second-year study techniques, time and stress management, and Title IX considerations. The second theme will include sessions on the Environmental Science tracks and current events in those disciplines. The third theme will focus in on research methods, basic field techniques, experiential opportunities, and interaction among individuals required to work effectively as a team.

3.5 INSTRUCTIONAL METHODS:

Identify the methods used to meet the course outcomes, as well as the principal instructional methods. The goal of this course is to continue the structural guidance and support for Environmental Science students that began in ENS132 as they move forward in their respective programs. The course will meet once per week in a classroom and will incorporate several instructional methods: lecture, group exercises and participation-based activities. The course culminates with development, refinement and presentation of a proposal for research or internship serving as the foundation for student senior synthesis.

At the end of this course, the deliverables will have included:

1) First year reflection paper
2) Basic literature review
3) Basic field notes
4) Articulation of specific, measurable, attainable, realistic and timely (SMART) goals.
5) Development of a refined proposal for a group project
6) Proof of attendance at (i) at least one community meeting/workshop.

3.6 CATALOG DESCRIPTION

Provide the course description using the precise format to be included in the ESF catalog (i.e. course number and title; format; brief description; semester(s) offered; and pre-/co-requisites). Please do not exceed 1000 characters.

ENS 232 Professional Development in Environmental Science (1)

One hour of lecture, discussion, or activity each week. This course will continue to guide and support Environmental Science students in both personal and professional growth. Course topics include time management and study skills, choosing an "option area", research methods (literature review, field skills, project development), finding and solidifying experiential learning.
opportunities (e.g., internships, research projects), current topics/issues in Environmental Science, and effective interaction for group work. Spring.

Prerequisite(s): ENS 132 or equivalent.

3.7 COURSE HISTORY:

Provide the dates of prior approval of this course, and its revision history. Prior approval of course 3/22/2019

3.7.1 Relationship to current ESF courses

This course is replacing a current ESF course ☒ YES ☐ NO

If NO, then proceed to section 4 below.

If YES, then provide below the number and name of the course to be deactivated and removed from the catalog once this course proposal has been approved:

Course Number (of the course to be replaced)   ESF 200
Course Name (of the course to be replaced)   Information Literacy

If the course to be replaced is used by departments other than the department sponsoring this proposal, please indicate below which departments are affected and the date they were notified about the course replacement.

Department: library                                      Date of Notification:  9/17/19
Department:                                          Date of Notification:
Department:                                          Date of Notification:
Department:                                          Date of Notification:
4. Institutional Impacts:

This section pertains to forecasting institutional resource needs to support the course or course revision. Provide clear statements regarding the needs and current availability (or absence) of resources. Note that, if this is a course revision, only the impacts of the revision should be included.

<table>
<thead>
<tr>
<th>Staffing needs:</th>
<th>Pre-existing faculty/staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom resources (e.g. physical facilities in a</td>
<td>Lecture hall</td>
</tr>
<tr>
<td>laboratory, lecture hall, flexible space, academic</td>
<td></td>
</tr>
<tr>
<td>computing):</td>
<td></td>
</tr>
<tr>
<td>Technology Resources:</td>
<td>Computer hookup capabilities</td>
</tr>
<tr>
<td>Computing Resources (software licensing, hardware,</td>
<td>N/A</td>
</tr>
<tr>
<td>access):</td>
<td></td>
</tr>
<tr>
<td>Library Resources (subscriptions, services):</td>
<td>N/A</td>
</tr>
<tr>
<td>Transportation Requirements (budget, fees, fleet</td>
<td>N/A</td>
</tr>
<tr>
<td>vehicles):</td>
<td></td>
</tr>
<tr>
<td>Forest Properties or Field Practicum Facilities:</td>
<td>N/A</td>
</tr>
</tbody>
</table>
5. Health and Safety Considerations:

Will any of the conditions or situations outlined below be present in association with the course? Yes / No

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes / No</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1. Will substances with any of the following properties be used during instruction: flammability, toxicity, corrosivity, reactivity, registered pesticide, legally controlled, or other characteristics with the potential to cause harm or injury?</td>
<td>□ / ☒</td>
</tr>
<tr>
<td>5.2. Will any physical hazards be present during instruction? (e.g., machines that need safety guards; razor blades or syringes; compressed gases, etc.)</td>
<td>□ / ☒</td>
</tr>
<tr>
<td>5.3. Will any biological hazards be present during instruction? (e.g., handling animals (rabies or hantavirus); cultures or stocks of infectious agents (fungal spores, viruses, bacteria, etc.).)</td>
<td>□ / ☒</td>
</tr>
<tr>
<td>5.4. Will any radiation hazards be present during instruction? (e.g., radioisotopes, X-rays, ultraviolet rays, lasers, etc.)</td>
<td>□ / ☒</td>
</tr>
<tr>
<td>5.5. Will any electrical equipment that, due to its design, location, or method of use, pose any threat to safety during instruction? (Give considerable thought to electrical use outdoors, or any potentially wet location.)</td>
<td>□ / ☒</td>
</tr>
<tr>
<td>5.6. Will there be any personal safety issues related to the class? (e.g., due to time of day or location, at the end of any organized class exercise, will students be in danger of physical assault, etc.)</td>
<td>□ / ☒</td>
</tr>
<tr>
<td>5.7. Will any students be driving official state or research sponsored land or water vehicles during any class or instructional exercise?</td>
<td>□ / ☒</td>
</tr>
<tr>
<td>5.8. Will any type of personal protective equipment be necessary during class exercises? (e.g., hard-hats, eye/face protection, hearing protection, hand/foot protection, lab coat, visibility clothing, etc.)</td>
<td>□ / ☒</td>
</tr>
</tbody>
</table>

If the answer was “Yes” to any of the HEALTH AND SAFETY questions, please explain:

For lab and field courses to which all answers are “no”, you should explain that here, also. Normally, we would expect some safety precautions for such courses.
6. Coordination and Consultation

Emails/letters, as noted below and attached to this proposal, or signatures below, indicate that the affected departments, programs or units have been notified of this proposal and have had an opportunity to assess the impact of the proposal on their respective units.

**Affected Academic Department(s) or Program(s) – other than the sponsoring department:**

<table>
<thead>
<tr>
<th>Department/Program 1</th>
<th>Name of Chair/Program Director</th>
<th>Or letter attached □</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Matthew Smith</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department/Program 2</th>
<th>Name of Chair/Program Director</th>
<th>Or letter attached □</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department/Program 3</th>
<th>Name of Chair/Program Director</th>
<th>Or letter attached □</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Date</td>
</tr>
</tbody>
</table>

(If more than three Departments/Programs, please continue on a separate page)

**Other Units:**

<table>
<thead>
<tr>
<th>Other Unit</th>
<th>Or letter attached □</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Provost for Instruction &amp; Dean of the Graduate School (for Gen Ed courses only)</td>
<td></td>
</tr>
<tr>
<td>Registrat</td>
<td></td>
</tr>
<tr>
<td>Library Director</td>
<td></td>
</tr>
<tr>
<td>Computing and Network Services</td>
<td></td>
</tr>
<tr>
<td>Physical Plant</td>
<td></td>
</tr>
<tr>
<td>Forest Properties</td>
<td></td>
</tr>
<tr>
<td>Environmental Health and Safety</td>
<td></td>
</tr>
</tbody>
</table>

Date
7. Proposer Information and Sponsoring Department Chair

Affirmation:

Contact Person:

Name: Monica Blaisdell _________________________________  
Department: Division of Environmental Science  
Email: Monica C Blaisdell <mblaisde@esf.edu> _________________________________  
Phone: x3029___________________________

This proposal has been reviewed and approved by the sponsoring Department. Affected departments have been notified and given the opportunity to provide feedback. Department resources are or will be made available to support the course, or a plan is in place to meet the resource needs as identified in the Institutional Impacts section of this proposal (see Section 4, above).

Name: Russell Briggs _________________________________  
Date: 3/22/19 _______  
Department Chair (or designated curriculum representative)

Signature: _________________________________  
Or letter attached  
Department Chair (or designated curriculum representative)

8. Approvals:

__________________________  ___________________________
Curriculum Committee  Date

__________________________  ___________________________
Faculty Governance  Date

__________________________  ___________________________
Provost  Date