



**Proposal to the Senate Educational Policy Committee
(Programs Housed Outside of Departments)**

*Please replace all text in italic with appropriate information before submitting
your proposal.*
Your entries should be in regular (not italic) font.

PROPOSAL TITLE: Proposal to revise the Environmental Fellows Program into the Sustainability, Energy, and Environment Fellows Program (SEE FP), and to transfer the program from the School of Earth, Society, and Environment (SESE), College of LAS, to the Institute for Sustainability, Energy, and Environment (iSEE).

SPONSOR: Professor Madhu Khanna, Associate Director for Education and Outreach, Institute for Sustainability, Energy, and Environment. 217-333-5176, khanna1@illinois.edu

COLLEGE CONTACT: Peter Schiffer, Vice Chancellor for Research. 217-244-7179, pschiffe@illinois.edu

BRIEF DESCRIPTION: The Sustainability, Energy and Environment Fellows Program (SEE FP) will be a campus-wide undergraduate minor to promote systems-level thinking about energy and sustainability and foster the development of an integrated view of the economy, society and the environment. It will provide selected students an opportunity to develop an integrated perspective on sustainability and understand the feedbacks, trade-offs and barriers to achieving it and their implications for decision making. The coursework will enable students to make the connections between economics, business, environmental sciences, and technology and apply their learning to operationalize the concept of sustainability in their professional careers and day-to-day lives. The SEE FP will prepare students for pursuing careers in the corporate sector, non-profit organizations, government agencies and environmental advocacy groups.

JUSTIFICATION: *(Please provide a brief but complete rationale for your request.)*

The SEE FP would replace the current Environmental Fellows Program which is being offered by SESE <http://www.earth.illinois.edu/resources/>. It will broaden the subject matter coverage of the Minor to include the economic and social dimensions of sustainability in addition to the environmental. Additionally, this Minor is designed to provide an interdisciplinary educational experience for students and includes courses from several departments. The Minor is being offered in partnership with six academic units Agricultural and Consumer Economics (ACE), Civil and Environmental Engineering (CEE), Integrative Biology (IB), Natural Resources and Environmental Sciences (NRES), School of Earth, Society and Environment (SESE), and Urban Planning (UP), who are also contributing teaching faculty. The Minor will leverage efforts by iSEE to raise funds for capstone projects and organize internships and career placements.

BUDGETARY AND STAFF IMPLICATIONS: *(Please respond to each of the following questions.)*

- 1) Resources for programs housed outside of a unit
 - a. Include an organizational chart, which outlines the organizational structure of the proposed program, reporting lines, position titles, and anticipated personnel at program launch (denoting %FTE for tenure track and non-TT faculty).

Attached.

- b. Provide all relevant MOA's and/or MOU's, which should outline all necessary financial agreements, and the roles and responsibilities of each participating unit in the proposed program.

Letters of Support from Department Heads attached.

- c. Describe the physical home of the program, including long-term plans for new facilities, if applicable.

The physical home of the program will be located in the iSEE offices.

- d. Describe how critical academic functions such as admissions and student advising are managed. Successful implementation of the minor will require some additional staff and or funding.

We will employ a 25% advisor/administrator to manage the application process, student record keeping, and course arrangements. This advisor will also liason with government and non-government organizations and the private sector to develop opportunities and funding for internships and career placements for students enrolled in the SEE FP.

- e. Describe how interdisciplinary governing councils or committees are composed, selected and maintained.

Leaders from participating units appointed faculty advisors to the committee for developing the minor. This committee will meet as needed to review the applicants, and to discuss any issues or challenges.

- f. Outline the reporting process that allows faculty to document their involvement in the program and the merit of their contributions to the program to their home unit(s).

Instructional Units from the courses will go to the home department of participating faculty. ICES evaluations will be conducted as usual and provided to the home department of the teaching faculty.

- g. Include the phase-down plan for the program once it is no longer needed.

In case there is a phase-down of the program, it will be conducted over a three year period so that the cohort that has already enrolled in the program will be able to complete all the requirements for the Minor.

2) Resource Implications

- a. Please address the impact on faculty resources including the changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

The minor is expected to increase enrollment in some of the course options provided to students. Since students have several choices to meet the requirements for an introductory course and a course each in the economic/policy/social dimensions and the environmental/natural systems dimensions of the minor (listed below) we expect that the increase in student numbers in any one course will not be excessive or significantly increase teaching loads and student-faculty ratio.

- b. Please address the impact on course enrollment in other units and provide an explanation of discussions with representatives of those units. (*A letter of acknowledgement from units impacted should be included.*)

Several discussions were held with faculty advisors from partnering units to discuss the course work, the relevance to the minor, and the availability of space in those courses. Prerequisites for the courses were also discussed. The course requirements listed for this Minor have been approved by the partner units after discussion and review.

- c. Please address the impact on the University Library (*A letter of estimated impact from the University Librarian must be included for all new program proposals. If the impact is above and beyond normal library business practices, describe provisions for how this will be resourced.*)
Attached.

- d. Please address the impact on technology and space (e.g. computer use, laboratory use, equipment, etc.)

The Minor could create additional demand for classrooms with flexible seating arrangements and with computer and audiovisual equipment for teaching ENVS 301 and ENVS 492. Teaching material and reading material for these two new courses, if needed, would be housed in the undergraduate library. No additional laboratory use is anticipated for this Minor since none of the courses involve laboratory-based research.

For new degree programs only:

- 3) Briefly describe how this program will support the University's mission, focus, and/or current priorities. Include specific objectives and measurable outcomes that demonstrate the program's consistency with and centrality to that mission.
- 4) Please provide an analysis of the market demand for this degree program. What market indicators are driving this proposal? What type of employment outlook should these graduates expect? What resources will be provided to assist students with job placement?
- 5) If this is a proposed graduate program, please discuss the programs intended use of waivers. If the program is dependent on waivers, how will the unit compensate for lost tuition revenue?

DESIRED EFFECTIVE DATE: January 19, 2016. *(Proposals may not be implemented until they go through all necessary levels of approval. The Provost's office will inform the sponsors in writing when they may implement their proposal. Proposed changes may not be publicized as final on any web sites, printed documents, etc. until written confirmation of final approval is issued.)*

STATEMENT FOR PROGRAMS OF STUDY CATALOG: *(All proposals must include either a new or revised version of the entry in the Programs of Study Catalog, if applicable. Entries will be published as approved by the Senate. Future changes in the statement for Programs of Study Catalog which reflect changes in the curriculum, must go through the normal review process at the appropriate levels.)*


The Sustainability, Energy and Environment Fellows Program (SEE FP) is a campus-wide undergraduate minor to promote systems-level thinking about sustainability and foster the development of an integrated view of the economy, society and the environment. It provides selected students an opportunity to develop an integrated perspective on sustainability and understand the feedbacks, trade-offs and barriers to achieving it and their implications for decision making. The Minor requires 16-18 credits to be obtained by selecting from a specified list of courses approved for the Minor, in consultation with the adviser. Students must maintain a 3.0 GPA in the coursework required for the Minor. This Minor is administered by the Institute for Sustainability, Energy and Environment in partnership with ACE, CEE, IB, NRES, SESE, & UP.

Credits	Requirements
3	Introduction to Sustainability. Choose one of the following *ESE 100 – Introduction to Sustainability- 3 ESE 200 – Earth Systems (Fall) - 3 NRES 287 – Environment and Society (Spring) - 3
3	Tools for Sustainability (ENVS 301) (Spring)
3-4	Economic/Policy/Social dimensions Choose one of the following (i) ACE 210: Environmental Economics (Fall) - 3 (ii) UP 460: Land Use & Transport Policy (Fall) - 4 (iii) PS 225: Environmental Politics & Policy (Fall) - 3 (iv) NRES 425: Natural Resources Law & Policy (Spring) - 3 (v) NRES 426: Renewable Energy Policy (Spring) - 3 (vi) NRES 472: Environmental Psychology (Fall) - 4 (vii) ESE 311: Environmental Issues Today (Spring) - 3 (viii) LA 370: Environmental Sustainability (Fall) - 3 (ix) ESE 482: Challenges of Sustainability (Spring) - 3
3-4	Environmental/Natural Systems Choose one of the following (i) CEE 330: Environmental Engineering (Fall, Spring) - 3 (ii) IB 440: Plants and Global Change (Spring) - 3 (iii) UP 405: Watershed Ecology & Planning (Fall) - 4 (iv) NRES 219: Principles of Ecosystem Management (Fall) - 3 (v) NRES 348: Fish and Wildlife Ecology (Fall) - 3 (vi) NRES 429: Aquatic Ecosystem Conservation (Fall) - 3 (vii) ESE 320: Water Planet (Spring) - 3 (viii) ESE 445: Earth Resource Sustainability (Spring) – 3 (ix) ENSU 310: Renewable & Alternative Energy (Spring) – 4
4	Capstone Course (ENVS 492) (Fall)

*Note: ESE 100 is a new course recently approved by the Educational Policy Committee and awaiting approval as a Gen-Ed course

CLEARANCES: (Clearances should include signatures and dates of approval. **These signatures must appear on a separate sheet.** If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.)


Signatures:



Unit Representative:

9/4/15

Date:



College Representative:

9/4/15

Date:

Graduate College Representative:

Date:

Council on Teacher Education Representative:

Date:

Appendix A: (Proposed Curriculum Revisions)
(Replace the following material with your appendix, if any.)

Course Requirements (16-18 hours)

1. General introduction to systems and sustainability - 3 credits.

One course from:

- i) ESE 100 – Introduction to Sustainability - 3
- ii) ESE 200 – Earth Systems (Fall) - 3
- iii) NRES 287 – Environment and Society (Spring) - 3

2. Tools for Sustainability (ENVS 301) (Spring) – 3 credits

Team taught course to cover the following components: Lifecycle analysis, Cost-benefit analysis, Sustainability metrics, Input-output analysis, Communication/Writing. New Course Proposal attached.

3. One course each from a and b

a. Econ/Policy/Social dimensions – 3 or 4 credits

- (i) ACE 210: Environmental Economics (Fall) - 3
- (ii) UP 460: Land Use & Transport Policy (Fall) - 4
- (iii) PS 225: Environmental Politics & Policy (Fall) - 3
- (iv) NRES 425: Natural Resources Law & Policy (Spring) - 3
- (v) NRES 426: Renewable Energy Policy (Spring) - 3
- (vi) NRES 472: Environmental Psychology (Fall) - 4
- (vii) ESE 311: Environmental Issues Today (Spring) - 3
- (viii) LA 370: Environmental Sustainability (Fall) - 3
- (ix) ESE 482: Challenges of Sustainability (Spring) - 3

b. Env/Natural Systems – 3 or 4 credits

- (i) CEE 330: Environmental Engineering (Fall, Spring) - 3
- (ii) IB 440: Plants and Global Change (Spring) - 3
- (iii) UP 405: Watershed Ecology & Planning (Fall) - 4
- (iv) NRES 219: Principles of Ecosystem Management (Fall) - 3
- (v) NRES 348: Fish and Wildlife Ecology (Fall) - 3
- (vi) NRES 429: Aquatic Ecosystem Conservation (Fall) - 3
- (vii) ESE 320: Water Planet (Spring) - 3
- (viii) ESE 445: Earth Resource Sustainability (Spring) - 3
- (ix) ENSU 310: Renewable & Alternative Energy (Spring) - 4

4. SEE Capstone Course (ENVS 492) (Fall) – 4 credits (course description attached)

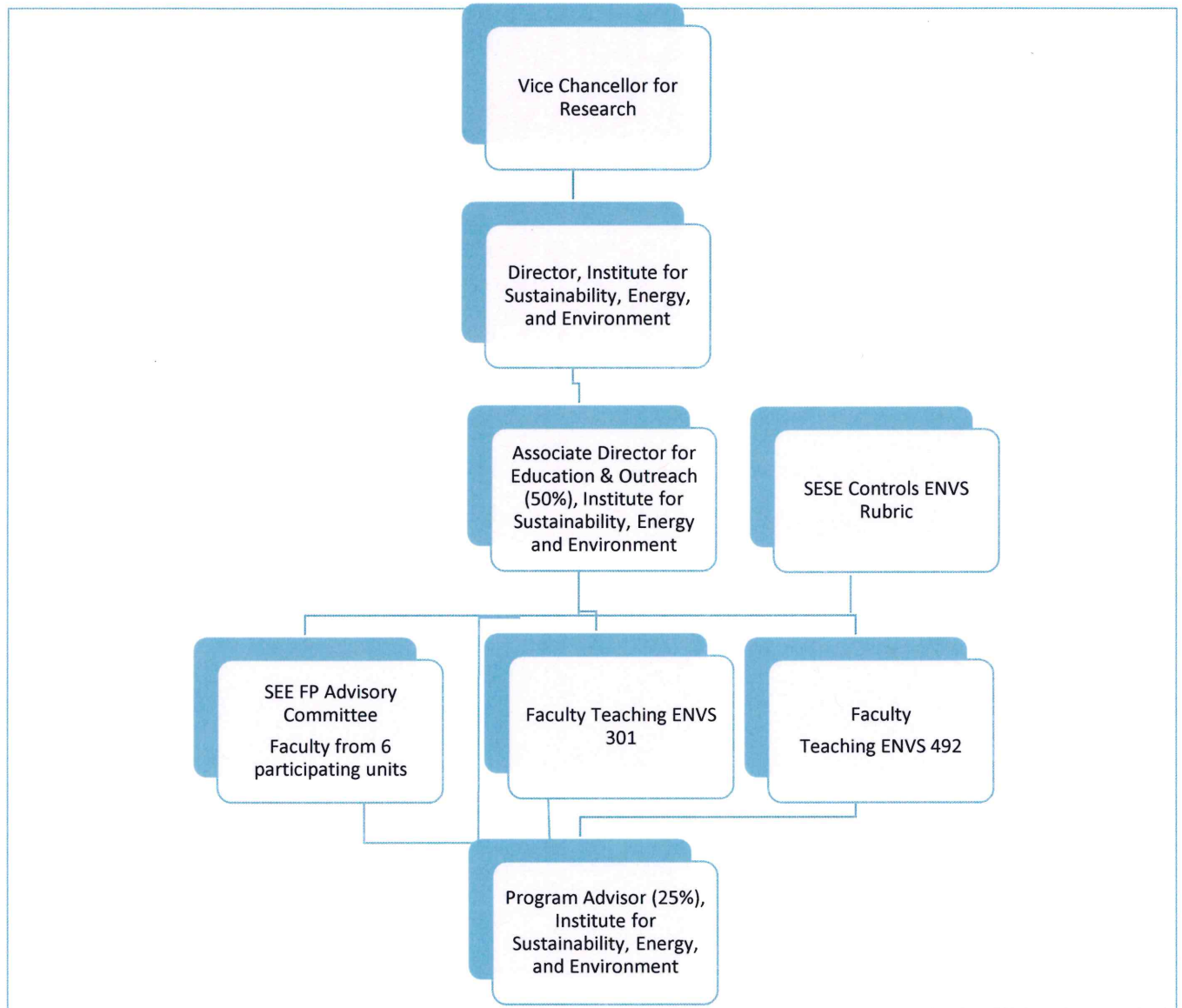
Team taught course focused on project-based learning in interdisciplinary teams.

16-18 Total

Prerequisites for the minor: describe the prerequisites (if any) for the proposed minor. Except for clearly remedial offerings, prerequisite courses within the sponsoring unit count toward the total hours of coursework; prerequisite courses outside the sponsoring unit ordinarily do not.

Applicants to the minor shall be at least sophomore standing with a minimum grade point average of 3.0. Students must maintain a 3.0 GPA in the coursework required for the Minor.

Organizational Chart for Sustainability, Energy, and Environment Fellows Program





NEW COURSE OUTLINE

Departments/units should complete this form, obtain all necessary approvals and submit to their College Office to establish a new course. The outline will be reviewed by the College and forwarded to appropriate campus offices for additional approval.

All gray boxes on this form, except gray check boxes, are expandable text fields. Place your cursor in the box and start typing.

Instructions and guidance to complete certain numbered items in this form are contained in *Proposing New Courses* (<http://provost.illinois.edu/programs/cps/proposingcourses.html>) and *Procedures for Presenting New or Revised Graduate Courses* (<http://www.grad.illinois.edu/courses-procedures>).

Proposed Effective Term: Fall Spring Summer – 2017

Department/Unit Name: SESE

Department/Unit ORG Code: 1265

1. Course Subject and Number: ENVS 492
2. Course Title (limit to 30 characters): SEE Capstone
3. Course description (Include subject matter, and any special course requirements such as field trips, special equipment, etc. Exclude other course information of any numbered items below; the Office of the Registrar will include it in the *Course Catalog* entry. It should read like a publication abstract and ideally be limited to about 75 words.):

This course will provide problem-focused learning and a holistic and interdisciplinary perspective to address critical sustainability-related challenges facing society. Students will gain critical thinking skills to examine the sustainability of various approaches, analyze the trade-offs among the economic, environmental and social dimensions of sustainability, learn techniques to operationalize the concept of sustainability and develop practical skills in sustainability assessment. Team projects will develop team building skills, communication skills and project management skills.

4. Course prerequisites (prerequisite statements are not enforced through the Banner system):
ENVS 301
5. Is there a restricted audience for this course? (Audience restrictions may only be placed in the Class Schedule. Do not include in prerequisite statement.)
 Yes No If yes, please specify the restrictions (e.g., “for majors only” or “junior standing required”): For students enrolled in the Sustainability, Energy and Environment Fellows Program

COURSE JUSTIFICATION

400-level: _____ * undergraduate hours **and** 400-level: _____ * graduate hours

Note: Courses offered for both undergraduate and graduate credit require completion of Item 14.

C. Graduate credit only

500-level: _____ * graduate hours

Note: Courses offered for graduate credit require completion of Item 14.

D. Professional credit only

600- and 700-level: _____ * professional hours

E. Both Graduate and Professional credit

_____ * graduate hours **and** _____ * professional hours

Note: Courses offered for both graduate and professional credit require completion of Item 14.

* For A-E, if a course is offered for varying amounts of credit please select one of the two options:

- Variable credit: this course is available for a range of credit hours (e.g., 1 to 3 hours)
- Differential credit: this course is only available for two distinct credit-hour options (e.g., 1 or 3 hours)

In addition, complete Item 15.

- 14. For any course awarding graduate credit, please justify why it should, in terms of level of content, previous knowledge required, relevance to current research, methodology, etc. (See *Graduate College Policy for Proposed New and Revised Courses that Carry Graduate Credit* for criteria to judge graduate courses.): d
- 15. For any course requesting variable or differential credit, please justify why the amount of credit varies and specify the work required for the additional credit: _____
- 16. May this course be repeated? (See *Procedures for Presenting New or Revised Graduate Courses* or Provost's *Proposing New Courses* for guidance in completing Parts A - C.)
 Yes No If yes, please fill out A - C below:

A. Course Type

Indicate the **one** type of course the proposed course matches:

- Honors Subject mastery/skill proficiency Individualized instruction
- Research or ongoing study Special topics, seminars Applied experiences

B. Repeatable – same term

May students register in this course more than once (duplicate registration) in the same term?

- Yes No If yes, for how many total hours (fill all fields: NA = not applicable; U = unlimited)?
_____ undergraduate; _____ graduate; _____ professional
- check if “if topics vary” is an added qualifier

C. Repeatable – separate terms

May this course be repeated in separate terms?

- Yes No If yes, for how many total hours (fill all fields: NA = not applicable; U = unlimited)?
_____ undergraduate; _____ graduate; _____ professional
- check if “if topics vary” is an added qualifier

17. Are there credit restrictions?
 Yes No If yes, please specify the restrictions (e.g., for MATH 221: "Credit is not given for both MATH 221 and MATH 220."): _____
18. Grading Type:
 Letter grade
 S/U (Any course offered for zero hours of graded credit must include S/U grade mode.)
 Both If Both is selected, which should be the default mode? Letter grade S/U
 DFR If DFR is selected, please justify the use of the grade: _____

CROSS-LISTING

19. Is this course to be cross-listed?
 Yes No If yes, please complete A and B and take notice of C:
- A. Indicate the subject and course number of the cross-listing(s) (please note, all cross-listed courses must be offered at the same numerical level): _____
- B. Please give the justification for establishing the cross-listing: _____
- C. **Note: Additional approvals are required to establish a cross-listing.** An authorized official of each non-controlling department must endorse the cross-listing. In addition, if the cross-listing involves a different college, a dean of that college must also approve. (Letter, e-mail, or use of the Additional Approvals signature block at the end of this form are all acceptable methods of endorsement or approval.)

ADDITIONAL COURSE INFORMATION

20. Does this course replace an existing course?
 Yes No If yes, please list the course to be discontinued and note that submission of a Course Revision Form is necessary to remove it from the Course Catalog: _____
21. Does the addition of this course impact other courses (i.e., prerequisite or credit restriction statements)?
 Yes No If yes, please list the course(s) affected, and note that submission of Course Revision Form(s) are necessary to update the impacted course(s): _____
22. Does the addition of this course have any impact on your department's current curriculum (i.e., Programs of Study catalog, concentrations, minors, etc.)?
 Yes No If yes, please specify the curriculum and explain: _____
23. Has this course been offered as a special topics or other type of experimental course?
 Yes No If yes, please indicate the Banner subject, course number, section ID, term, and enrollment for each offering: _____
24. Will this course be submitted for General Education credit?
 Yes No
25. Does this course require students to register in multiple schedule components (e.g., lecture and a lab)?

Yes No

26. Is a special facility needed to effectively teach this class (e.g., lab, studio, or ITS room)?

Yes No If yes, please describe: _____

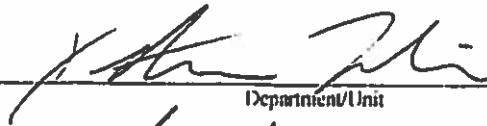


27. Will this course be offered on-line?

Yes, online only Yes, online and traditionally No

28. Faculty member(s) who will teach this course: To be decided

29. Course proposed by: Madhu Khanna Date: 6/30/2015

NEW COURSE OUTLINE APPROVALS Course Subject and Number: _____
(Signatures required)

 _____ Department/Unit	<u>2/6/15</u> Date
 _____ School (if applicable)	<u>2/13/15</u> Date
 _____ College	<u>4/17/15</u> Date
_____ Graduate College (Requests for Graduate Credit)	_____ Date
_____ Provost	_____ Date

ADDITIONAL APPROVAL(S)

The space below may be used for additional approvals involving cross-listed courses. – see Section 19.C: – in lieu of letters or e-mails. Indicate department or college after signature and provide date.

Revised 8/2012

ENVS 492: Sustainability, Energy and Environment (SEE) Capstone

Instructors for the course: To be decided

Credit Hours: 4

Class times: 90 minutes each on M and W; 60 minutes on Friday

Office hours: These are posted on the course website

Course Overview: This course will provide problem-focused learning and a holistic and interdisciplinary perspective to address critical sustainability-related challenges facing society. Students will gain critical thinking skills to examine the sustainability of various approaches, analyze the trade-offs among the economic, environmental and social dimensions of sustainability, learn techniques to operationalize the concept of sustainability and develop practical skills in sustainability assessment. Students will learn to apply various tools, such as life-cycle analysis, cost-benefit methods and impact analysis, to develop sustainability metrics and identify sustainable approaches to meeting societal demands. Team projects will develop team building skills, communication skills and project management skills. The course is for juniors and seniors enrolled in the Sustainability, Energy and Environment Fellows Program with an objective of engaging them in addressing broad societal challenges related to sustainability.

Pre-requisites: ENVS 301

Format: The format of the course will be a team-based approach to solving a particular sustainability related problem over the course of the semester and will consist of a blend of case study discussion, problem identification, site visits, analysis and a team report at the end of the semester. Several case study lectures will be presented by faculty covering the economic, social and environmental dimensions of sustainability related to specific real world problems. The purpose of the case study lectures and discussions is to teach students the process of framing the problem, gathering data and identifying approaches to solve it, by presenting and discussing real projects. Sustainability related problems to be studied will be identified from real world problems related to sustainability of campus/community to be developed in collaboration with Campus Facility and Services, local sustainability planners, private firms and non-government organizations. Field site visits will be arranged during regular class time to visit local buildings, businesses, civil and environmental infrastructure facilities. The team-based semester projects will develop feasible solutions to specific campus/community/private companies/NGOs problems related to sustainability e.g., recycling, energy use/efficiency, greenhouse gas emissions reduction, and implementation of the Illinois Climate Action Plan.

By the end of the course, students will have improved their sustainability related problem solving skills through the pre-lecture readings, case study discussions, semester project experience, interactions with decision makers on campus, private and non-government organizations. Specifically, the semester project will teach students to scope problems, break

down the problem into solvable components, gather and analyze relevant information, synthesize information, and propose and communicate viable solutions to the problem.

Course Topics

Sustainable agriculture, climate change, recycling; urban surface/subsurface water management; environmentally friendly supply chain management; life-cycle analysis of products and processes; sustainable cities and infrastructure; waste treatment, renewable energy and biofuels

Course Expectations

Students are expected to (a) complete the pre-lecture reading assignments and quizzes on time; (b) attend all classes; (c) actively participate in classroom discussions; (d) complete project assignments neatly and punctually; (e) attend all fields trips and act responsibly; (f) contribute positively and fairly in team projects; (g) communicate ideas, suggestions, concerns, and questions to the relevant resource persons and/or instructors.

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

College of Liberal Arts and Sciences
Office of the Dean

2090 Lincoln Hall
702 S. Wright Street, MC-448
Urbana, IL 61801



September 9, 2015

Kathryn Martensen
Associate Provost
Office of the Provost and Vice Chancellor for Academic Affairs
207 Swanlund Administration Building
MC-304

Dear Kathy:

The Committee on Courses and Curricula on behalf of the Faculty of the College of Liberal Arts and Sciences has voted to endorse the following proposal:

Revise and Transfer the Environmental Fellows Program (from the School of Earth, Society and Environment to the Institute for Sustainability, Energy, and Environment).

Sincerely,

Karen M. Carney
Associate Dean

Enclosure

c: Professor Stephen Marshak
Professor Madhu Khanna

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN



School of Earth, Society, & Environment

156 Computer Applications Bldg. (MC-235), 605 E. Springfield Ave., Champaign, IL 61820

February 10, 2015

Prof. Evan DeLucia and Prof. Madhu Khanna
Institute for Sustainability, Energy, & Environment
University of Illinois at Urbana-Champaign

Dear Evan and Madhu,

I am pleased to offer support for transition of the SESE Environmental Fellows Program into the iSEE Fellows Program. The resources that iSEE can provide, in terms of motivating new course development by faculty, and in terms of providing research funds and internship opportunities to students, will add significant value to the program. Linking the program to iSEE will also increase it's visibility, and will be another important way for iSEE to interface with students of the University of Illinois.

The School of Earth, Society, & Environment will continue to be supportive of the program, will offer courses that are relevant to students in the program, and can assist in sponsoring the program. Jonathan Tomkin and I look forward to working with you on this endeavor.

Best regards,

A handwritten signature in cursive script that reads "Stephen Marshak".

Stephen Marshak
Director, School of Earth, Society, & Environment

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Department of Natural Resources
and Environmental Sciences

College of Agricultural, Consumer
and Environmental Sciences
W-503 Turner Hall
1102 South Goodwin Avenue
Urbana, IL 61801



February 11, 2015

Dr. Evan DeLucia
Director, iSEE
University of Illinois

Dear Evan,

The Department of Natural Resources and Environmental Sciences (NRES) is in strong support of the proposal to develop a campus-wide minor in Sustainability, Energy, and the Environment. NRES will welcome students in the minor who take our courses and we are supportive of NRES faculty involvement in new courses offered by the minor.

Please feel free to contact us if we can be of assistance in your efforts.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeffrey D. Brawn'.

Jeffrey D. Brawn
Professor and Head
Department of Natural Resources and
Environmental Sciences; University of Illinois

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

School of Integrative Biology

Office of the Director
286 Morrill Hall
505 South Goodwin Avenue
Urbana, IL 61801



9 February 2015

Dr. Evan DeLucia
Director, Institute for Sustainability, Energy and Environment
University of Illinois at Urbana-Champaign

Dear Evan,

I write in support of the proposal to develop the Sustainability, Energy and Environment Minor (SEE Fellows Program). The campus-wide nature of the program is the ideal venue in which to bring students together from multiple majors to share their diverse perspectives on sustainability. The team-taught ENV5 301 will provide a unique opportunity for students to gain a truly interdisciplinary perspective from faculty representing multiple colleges. The final capstone project will provide an excellent transition to their next career step, be it a job or graduate school.

The School of Integrative Biology will welcome students in the SEE Fellows Program into IB 440 (Plants and Global Change). Students that elect to take this course will be provided with a solid introduction to how global change is influencing crop and natural ecosystems. In addition, course assignments including multiple debates will allow students to sharpen their communication skills in an interdisciplinary environment.

This new minor is an excellent addition for Integrative Biology students who clearly express an interest in ecology and environmental biology. It will broaden their perspective to be exposed to larger issues and the interdisciplinary nature of sustainability. Adding a more applied context and some concrete, practical skills will couple beautifully with their already strong coursework in basic ecology within the Integrative Biology major.

I look forward to working with all partners to launch this new interdisciplinary major. Please feel free to contact me if you require additional information.

Sincerely,

A handwritten signature in cursive script that reads 'Carla E. Cáceres'.

Carla E. Cáceres
Director, School of Integrative Biology

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

Department of Civil and Environmental Engineering
1116 Newmark Civil Engineering Laboratory, MC-250
205 North Mathews Avenue
Urbana, IL 61801-2352



February 10, 2015

Dr. Evan DeLucia, Director
Institute for Sustainability, Energy and Environment
University of Illinois at Urbana-Champaign

Dear Evan,

I am writing to strongly support the proposal on developing the campus-wide Sustainability, Energy and Environment Minor (SEE Fellows Program). Faculty and students from the Civil and Environmental Engineering Department welcome the option for students to learn and collaborate with students and faculty from other units on the UIUC campus. The proposed plan to develop a team-taught ENVS 301, with faculty from multiple departments including Civil and Environmental Engineering, will provide students with an excellent environment to learn the multi-faceted nature of sustainability which impacts all aspects of our society and community.

The Department of Civil and Environmental Engineering is fully committed to participate in the proposed endeavors. I am delighted to note that some CEE faculty members, such as Professor Jeremy Guest, who is an expert in Life-cycle Cost Analysis, will be contributing to the program and curriculum development. As the Director of Undergraduate Studies, I will also encourage CEE students to consider the new campus minor as a viable and beneficial option, which will certainly enhance their future career.

We look forward to the opportunities of collaborating with you and other campus units in developing and enhancing the proposed multidisciplinary program. Please do not hesitate to call on me or the CEE Department to contribute to the program's activities.

Sincerely,

A handwritten signature in black ink, appearing to read "Liang Y. Liu".

Liang Y. Liu, Ph.D.
Associate Head and Director of Undergraduate Studies

Cc: B. Marinas, R. Powell

Lage, Stephanie M

From: Khanna, Madhu
Sent: Tuesday, February 10, 2015 1:29 PM
To: Lage, Stephanie M
Subject: FW: Sustainability Minor

FYI

Madhu Khanna
ACES Distinguished Professor in Environmental Economics
Department of Agricultural and Consumer Economics/Energy Biosciences Institute
Editor, *American Journal of Agricultural Economics*
Associate Director, Institute for Sustainability, Energy and Environment
University of Illinois, Urbana-Champaign
1301, W. Gregory Drive, Urbana, IL 61801
email: khanna1@illinois.edu
<http://ace.illinois.edu/directory/madhu-khanna>
phone: 217-333-5176; fax: 217-333-5538

From: Olshansky, Robert B
Sent: Tuesday, February 03, 2015 11:20 PM
To: Khanna, Madhu
Cc: Chakraborty, Arnab; Evan DeLucia
Subject: Re: Sustainability Minor

Madhu,
I am glad to hear that this has progressed.
This is also to confirm our enthusiastic support of the proposed SEE Fellows Program.
-Rob Olshansky

Robert B. Olshansky, FAICP, Professor, Department Head
Dept. of Urban and Regional Planning
University of Illinois at Urbana-Champaign
611 Taft Drive, Champaign IL 61820
217.333.8703, robo@illinois.edu

From: <Khanna>, Madhu <khanna1@illinois.edu>
Date: Monday, February 2, 2015 at 9:15 AM
To: Robert Olshansky <robo@illinois.edu>
Cc: Arnab Chakraborty <arnab@illinois.edu>, Evan DeLucia <delucia@life.illinois.edu>
Subject: Sustainability Minor

Dear Rob

Thank you for your willingness to support the transition from the existing Environmental Fellows Program to the Sustainability, Energy and Environment (SEE) Minor to be called SEE Fellows Program.

From: Ellinger, Paul N
Sent: Thursday, February 12, 2015 1:52 PM
To: Khanna, Madhu
Cc: Ando, Amy W
Subject: RE: Sustainability Minor

Madhu,

On behalf of the Department of ACE, I write to support the proposal to develop the Sustainability, Energy and Environment Minor. The Minor will provide an outstanding and unique opportunity for ACE and ACES students.

All the best,

Paul

Paul N. Ellinger, PhD
Professor and Head, Department of ACE
University of Illinois
Phone 217.333.5503 Fax 217.333.2312
pelling@illinois.edu
<http://www.ace.illinois.edu>

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

University Library

Office of Dean of Libraries
and University Librarian
230 Main Library, MC-522
1408 West Gregory Drive
Urbana, IL 61801



September 8, 2014

Madhu Khanna
Associate Director for Education and Outreach
Institute for Sustainability, Energy, and Environment
University of Illinois at Urbana-Champaign
1101 W. Peabody, Suite 280 (NSRC)
M/C 710

Dear Professor Khanna:

Thank you for providing the University Library with the opportunity to review the Institute for Sustainability, Energy, and Environment's proposal to the Senate Committee on Educational Policy to establish a new Sustainability, Energy, and Environment Fellows Program (SEE FP). Based upon the proposal that was sent to the University Library on September 3, 2015, we do not believe that there will be any substantive impact on existing library offerings—either in terms of library materials or personnel.

Sincerely,



John P. Wilkin
Juanita J. and Robert E. Simpson
Dean of Libraries and University Librarian

c: Thomas Teper
Stephanie M. Lage

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

EP.16.01

Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820



August 4, 2015

Bettina Francis, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Francis:

Enclosed is a copy of a proposal from the College of Liberal Arts and Sciences and the Institute for Sustainability, Energy, and Environment to revise and transfer the Environmental Fellows Program.

Sincerely,

A handwritten signature in cursive script that reads 'Kathryn A. Martensen'.

Kathryn A. Martensen
Assistant Provost

Enclosures

c: K. Carney
M. Khanna
S. Marshak
S. Lage

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

College of Liberal Arts and Sciences
Office of the Dean

2090 Lincoln Hall
702 S. Wright Street, MC-448
Urbana, IL 61801



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Office of the Provost

April 17, 2015

Kathryn Martensen
Associate Provost
Office of the Provost and Vice Chancellor for Academic Affairs
207 Swanlund Administration Building
MC-304

Dear Kathy:

The Committee on Courses and Curricula on behalf of the Faculty of the College of Liberal Arts and Sciences has voted to endorse the following proposal:

Revise and Transfer the Environmental Fellows Program (from School of Earth, Society and Environment to the Institute for Sustainability, Energy, and Environment)

Sincerely,

A handwritten signature in black ink that reads "Karen M. Carney".

Karen M. Carney
Associate Dean

enclosure

C: Professor Stephen Marshak
Professor Madhu Khanna