

COURSE CHANGE FORM

Complete 1a – 1f & 2a – 2c. Fill out the remainder of the form as applicable for items being changed.

1. General Information.					
a.	Submitted by the College of:	<u>Agriculture and School of Human Environmental Sciences</u>	Today's Date:	<u>9/28/2012</u>	
b.	Department/Division:	<u>Natural Resources and Environmental Science</u>			
c.	Is there a change in "ownership" of the course?			YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
	If YES, what college/department will offer the course instead? _____				
d.	What type of change is being proposed?	<input checked="" type="checkbox"/> Major	<input type="checkbox"/> Minor ¹ (place cursor here for minor change definition)		
e.	Contact Person Name:	<u>Mary Arthur</u>	Email:	<u>mary.arthur@uky.edu</u>	Phone: <u>257-2852</u>
f.	Requested Effective Date:	<input checked="" type="checkbox"/> Semester Following Approval	OR	<input type="checkbox"/> Specific Term ² :	_____
2. Designation and Description of Proposed Course.					
a.	Current Prefix and Number:	<u>NRE 471</u>	Proposed Prefix & Number:	<u>NRE 471</u>	
b.	Full Title:	<u>Senior Problem in Natural Resources and Environmental Science</u>	Proposed Title:	<u>Senior Problem in Natural Resources and Environmental Science</u>	
c.	Current Transcript Title (if full title is more than 40 characters): _____				

¹ See comment description regarding minor course change. *Minor changes are sent directly from dean's office to Senate Council Chair.* If Chair deems the change as "not minor," the form will be sent to appropriate academic Council for normal processing and contact person is informed.

² Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

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c.	Proposed Transcript Title (if full title is more than 40 characters): _____				
d.	Current Cross-listing:	<input checked="" type="checkbox"/> N/A	OR	Currently ³ Cross-listed with (Prefix & Number):	_____
	Proposed – <input type="checkbox"/> ADD ³ Cross-listing (Prefix & Number):	_____			
	Proposed – <input type="checkbox"/> REMOVE ^{3, 4} Cross-listing (Prefix & Number):	_____			
e.	Courses must be described by <u>at least one</u> of the meeting patterns below. Include number of actual contact hours⁵ for each meeting pattern type.				
Current:	<u>2</u> Lecture	<u>2</u> Laboratory ⁵	_____ Recitation	_____ Discussion	_____ Indep. Study
	_____ Clinical	_____ Colloquium	_____ Practicum	_____ Research	_____ Residency
	_____ Seminar	_____ Studio	_____ Other – Please explain:	_____	
Proposed:	<u>3</u> Lecture	<u>2</u> Laboratory	_____ Recitation	_____ Discussion	_____ Indep. Study
	_____ Clinical	_____ Colloquium	_____ Practicum	_____ Research	_____ Residency
	_____ Seminar	_____ Studio	_____ Other – Please explain:	_____	
f.	Current Grading System:	<input checked="" type="checkbox"/> Letter (A, B, C, etc.)	<input type="checkbox"/> Pass/Fail		
	Proposed Grading System:	<input checked="" type="checkbox"/> Letter (A, B, C, etc.)	<input type="checkbox"/> Pass/Fail		

³ Signature of the chair of the cross-listing department is required on the Signature Routing Log.

⁴ Removing a cross-listing does not drop the other course – it merely unlinks the two courses.

⁵ Generally, undergrad courses are developed such that one semester hr of credit represents 1 hr of classroom meeting per wk for a semester, exclusive of any lab meeting. Lab meeting generally represents at least two hrs per wk for a semester for 1 credit hour. (See SR 5.2.1.)

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g.	Current number of credit hours: <u>3</u>	Proposed number of credit hours: <u>4</u>		
h.	Currently, is this course repeatable for additional credit?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
	Proposed to be repeatable for additional credit?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
	If YES: Maximum number of credit hours: _____			
	If YES: Will this course allow multiple registrations during the same semester?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	
i.	Current Course Description for Bulletin:	<p><u>This course is designed to provide students with the opportunity to apply the skills and information acquired in previous courses to a real world problem in natural resources and environmental science. The class will focus on a single current issue in Kentucky and will research that issue in depth, using a variety of techniques, including library research, interviews, and data collection and analysis. In addition to research and problem-solving skills, written and oral skills will be emphasized. Lecture, two hours; laboratory, two hours per week. Prereq: NRE 301, NRE 320, and NRE 381 and senior standing.</u></p>		
	Proposed Course Description for Bulletin:	<p><u>This course is designed to provide students with the opportunity to apply the skills and information acquired in previous courses to a real world problem in natural resources and environmental science. The class will focus on a single current issue in Kentucky and will research that issue in depth, using a variety of techniques, including library research, interviews, and data collection and analysis. In addition to research and problem-solving skills, written and oral skills will be emphasized. Lecture, three hours; laboratory, two hours per week. Prereq: NRE 201, NRE 320, and NRE 381 and senior standing.</u></p>		
j.	Current Prerequisites, if any:	<u>NRE 301, NRE 320, and NRE 381 and senior standing</u>		
	Proposed Prerequisites, if any:	<u>NRE 201, NRE 320, and NRE 381 and senior standing</u>		
k.	Current Distance Learning(DL) Status:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Already approved for DL*	<input type="checkbox"/> Please Add ⁶
			<input type="checkbox"/> Please Drop	

⁶ You must *also* submit the Distance Learning Form in order for the course to be considered for DL delivery.

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	*If already approved for DL, the Distance Learning Form must also be submitted <u>unless</u> the department affirms (by checking this box <input type="checkbox"/>) that the proposed changes do not affect DL delivery.		
I.	Current Supplementary Teaching Component, if any:	<input checked="" type="checkbox"/> Community-Based Experience	<input type="checkbox"/> Service Learning <input type="checkbox"/> Both
	<i>Proposed Supplementary Teaching Component:</i>	<input checked="" type="checkbox"/> <i>Community-Based Experience</i>	<input type="checkbox"/> <i>Service Learning</i> <input type="checkbox"/> <i>Both</i>
3.	Currently, is this course taught off campus?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
	<i>Proposed to be taught off campus?</i>	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
4.	Are significant changes in content/teaching objectives of the course being proposed?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
	If YES, explain and offer brief rationale: _____		
5.	Course Relationship to Program(s).		
a.	Are there other depts and/or pgms that could be affected by the proposed change?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
	If YES, identify the depts. and/or pgms: _____		
b.	Will modifying this course result in a new requirement⁷ for ANY program?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
	If YES ⁷ , list the program(s) here: _____		
6.	Information to be Placed on Syllabus.		
a.	<input type="checkbox"/> Check box if <u>changed to</u>	If <u>changed to</u> 400G- or 500-level course you must send in a syllabus and <i>you must include the differentiation</i> between undergraduate and graduate students by: (i) requiring additional assignments by the graduate students; and/or (ii) establishing different grading criteria in the course for graduate	

⁷ In order to change a program, a program change form must also be submitted.

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		400G or 500.	students. (See <i>SR 3.1.4.</i>)

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Signature Routing Log

General Information:

Course Prefix and Number: NRE 471

Proposal Contact Person Name: Mary Arthur Phone: 257-2852 Email: mary.arthur@uky.edu

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
NRES Steering Committee	09/28/2012	Mary Arthur / 257-2852 / mary.arthur@uky.edu	
Undergraduate Curriculum Committee, College of Agriculture	11/16/2012	Larry Grabau / 257-3469 / Larry.Grabau@uky.edu	
		/ /	
		/ /	
		/ /	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision ⁸
Undergraduate Council	5/14/13	Joanie Ett-Mims	
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

⁸ Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

SENIOR PROBLEM IN NATURAL RESOURCES
NRC 471

Class Hours: Tuesdays 12:30-1:50
Thursdays 12:30-1:45, 2:00-4:00
Instructor: Dr. Mary Arthur; 257-2852; marthur@uky.edu

Office Hours: Tuesday 2:00-3:00, Thursday 11:00-12:00, or by appointment

Course Objectives:

The broad objective of this course is to develop a detailed analysis of a local natural resource issue, with students functioning as natural resource professionals. Students will produce an analysis of the problem(s) and a proposal of possible approaches that might be taken to improve the management of the affected resource(s). They will be required to research the issue using a variety of techniques, including library research, interviews, and primary data collection. Written and oral skills will be emphasized, with the final product submitted both as a written document and a presentation to a group of people, including interested faculty and affected professionals with whom the students have interacted during the course of the semester. The learning environment in this course is almost entirely active, with the students taking responsibility for the direction of the semester project individually and within working groups. This course relies heavily on work in and out of the classroom. Therefore, class attendance is required, and students will lose 2% off their final grade for every unexcused absence. Grading will be based on both individual and group efforts, as shown below.

Student Learning Outcomes:

This year the course focus will be on environmental quality and the urban forest in Lexington. Individually and in groups, students will consider the urban forest resource in the context of its environmental and economic costs and benefits, barriers to developing the resource for the future, and approaches to addressing the state of the urban forest to enhance the benefit-cost tradeoffs. They will be charged with considering the urban forest in the context of the physical, biological, social and economic aspects of environmental quality. To accomplish this, students will complete the following learning outcomes:

1. Students will apply their prior knowledge gained from a broad suite of disciplinary courses.
2. Students will develop their skills in teamwork, information gathering, data analysis and communication.
3. Students will work with a professionals and faculty in Lexington and at UK, developing a group of 'stakeholders' interested in the products of your work, both the oral presentation and the written report.
4. Students will develop a polished presentation style by presenting their findings to stakeholders in a final presentation.
5. Students will write multiple drafts of a final project paper that are edited and revised to produce a product that is free of mechanical errors, well written, and well researched, containing both primary and secondary sources.

Course Evaluation:

Group grades:	Percent	Tentative due date
Response to RFP, letter of intent	10%	February 5
Oral presentation	20%	April 18
Final written report	25%	April 25
<i>Total group grade</i>	<i>55%</i>	
Individual grades:		
Resume	5%	February 5
Class participation and presentations	5%	ongoing
Detailed log of billable hours	25%	February 12, 26; March 19, April 2, 23
Group and self-assessments	10%	May 2
<i>Total individual grade</i>	<i>45%</i>	

Grading scale:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
50-59%	E

Log of billable hours: Beginning in February, you will be required to keep a “log of billable hours.” These logs should be used as a professional tool to document work done, analogous to what you would have to do if you worked for a consulting firm. The log must document phone calls, interviews, library work, group meetings, data collection, data analysis, relevant reading, report writing and any other concrete work done on the project, and the amount of time spent on these activities. This log should represent a paper trail of all activities conducted pertaining to your project. If it isn’t in the log, it is as though you didn’t do it. Use the log as a tool for yourself, to aid you in making progress on the project, and as a way of communicating with the instructor. You will be evaluated on the thoroughness and content of your record keeping, and the logs will, as well, be used as a measure of your efforts. This is a daily task: every time you work on the project for at least 15 minutes, it should be recorded in your log. Efficiency and accomplishments are valued, not simply time spent.

Course policies:

- Absences:** Attendance is mandatory for the lab section of this course. **You will receive no credit for a missed lab.** In addition, there will be some in-class writing in this course that will be counted toward your final grade. Thus, while attendance will not be taken in lecture, you will periodically be asked to hand in very short writing assignments in class which will be entered into the grade book. Excused absences include: (1) illness of the student (you must notify the instructor in advance of a missed lab meeting), (2) serious illness or death of a family member, (3) official college trips, and (4) major religious holidays. For category 2, notify the instructor within 1 week of the absence – verification may be required. For category 3, notify the instructor at least 1 week prior to the event and in the case of category 4, notification must be in writing, no later than **September 3rd**.
- Withdrawing/Incompletes:** Any student with excused absences exceeding one-fifth of the class contact hours will be granted a “W” or an “I” upon request.
- Late assignments:** All assignments are due at **5 PM on the due date. Ten percent will be taken off the grade for every day late.**

4. **Make-up exams:** Make-up exams will be given only for excused absences; all other missed exams result in a grade of zero.
5. **Cheating and plagiarism:** The penalties for either of these academic offenses range from a zero score on an assignment to expulsion from the University. Please see the Student Rights and Responsibilities Handbook for further information.

ACADEMIC INTEGRITY

Copying and pasting words from internet or print sources into your papers without a citation is cheating, and will result in a zero for the assignment and/or failure of the course. Scholastic dishonesty is not tolerated. Forms of scholastic dishonesty include, but are not limited to: plagiarism (copying or using someone else's work as your own), utilization of unauthorized materials during academic evaluations, and giving or receiving unauthorized assistance during evaluations. The first offense will result in a grade of 0 for that particular assignment. A second offense will result failure of the course and reporting to the Dean. If previous evidence of academic dishonesty exists, then the first offense may result directly in failure of the course. For more information, see Part II Section 6.3 of "The Code of Student Conduct". Also see "What is Plagiarism?" at: <http://www.uky.edu/Ombud/Plagiarism.pdf> and "Understanding Plagiarism" at: http://wps.prenhall.com/hss_understand_plagiarism_1/0,6622,427064-,00.html.

Please note: Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

EXCUSED ABSENCES

5.2.4.2 – Excused Absences (US: 11/11/85; 2/9/87; 4/12/04): The following are defined as excused absences:

- A. Significant illness of the student or serious illness of a member of the student's household (permanent or campus) or immediate family. The instructor shall have the right to request appropriate verification.
- B. The death of a member of the student's household (permanent or campus) or immediate family. The instructor shall have the right to request appropriate verification.
 1. Children of students are considered members of the immediate family (RC: 11/9/94)
 2. For the purpose of this rule, immediately family is defined as:
 - a. Spouse or child or parent (guardian) or sibling (all of the previous include steps, halves and in-laws of the same relationship); and
 - b. Grandchild or grandparent (US: 4/12/04)
- C. Trips for members of student organizations sponsored by an academic unit, trips for University classes, and trips for participation in intercollegiate athletic events. When feasible, the student must notify the instructor prior to the occurrence of such absences, but in no case shall such notification occur more than one week after the absence. Instructors may request formal notification from appropriate university personnel to document the student's participation in such trips.

* Intercollegiate athletic events include club sports registered with the university as well as varsity sports. (RC: 10/18/00)

- D. Major Religious Holidays. Students are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day for adding a class.
- E. Any other circumstances which the instructor finds reasonable cause for nonattendance. (US: 4/23/90)

Students missing work due to an excused absence bear the responsibility of informing the instructor about their excused absence within one week following the period of the excused absence (except where prior notification is required), and of making up the missed work. The instructor shall give the student an opportunity to make up the work and/or the exams missed due to an excused absence, and shall do so, if feasible, during the semester in which the absence occurred. (US: 11/10/85 and RC: 11/20/87)

If attendance is required or serves as a criterion for a grade in a course, and if a student has excused absences in excess of one-fifth of the class contact hours for that course, a student shall have the right to petition for a "W," and the faculty member may require the student to petition for a "W" or take an "I" in the course. (US: 2/9/87; RC: 11/20/87)

* If a student has an excused absence on a day when a quiz is given, the instructor may not deny permission for a makeup exam and simply calculate the student's grade on the basis of the remaining requirements. (RC: 8/20/87)

* The language "The instructor shall give the student an opportunity to make up the work and/or the exam missed during an excused absence..." implies the student shall not be penalized for the excused absence. (RC: 8/25/95)

* This rule applies to all graded work. (RC: 1/29/03)

ACADEMIC ACCOMMODATIONS

If you have a documented disability that requires academic accommodations, please see me as soon as possible. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, jkarnes@uky.edu) for coordination of campus disability services available to students with disabilities. We can then collaborate on the best solution.

STUDENT ACKNOWLEDGMENT OF RECEIPT OF COURSE INFORMATION

My signature below indicates that I have received a course syllabus for the following course, NRE 301.

I agree to read these documents, and I agree to sign and deliver this copy of the "Student Acknowledgment" form within two (2) weeks of the start of the semester. I understand that the policies contained within these documents apply directly to me and to all students in the class. I agree to abide by these policies, and recognize that not abiding by these policies could result in dismissal from this class and/or affect my standing as a student.

Name (please print): _____

ID#: _____

Signature: _____

Date: _____

Contact information (please PRINT clearly):

Local Phone: _____

E-Mail: _____

Senior Problem in Natural Resources
NRC 471, Spring 2013
Course Instructor: Mary Arthur

- January 10 **In class:**
- Introduction to course goals and logistics
 - Introduction to semester topic
 - Introduce ‘resources’; make assignments
- Field trip:** with John Saylor, Arborist Technician, Division of Environmental Policy, Lexington-Fayette Urban County Government; and Amanda Gumbert, Extension Associate, Department of Plant and Soil Science, UK
- Reforest the Bluegrass sites at Coldstream
 - Cane Run Watershed project
- January 15 **In class:**
- Introduction to Lexington’s urban forest issues: Dr. Tom Kimmerer, Consultant
 - Introduce previous capstone projects
- January 17 **In class:**
- **Due:** Students present overview of assigned resource
- Field trip:** With Dr. Tom Kimmerer
- Reforest the Bluegrass sites
 - Fayette vs. Hamburg malls
- January 22 **In class:**
- Brainstorm potential projects
 - Discuss RFP, response to RFP, semester projects
 - Develop set of disciplinary knowledge areas and skills that would be beneficial for conducting this project.
- January 24 **In class:**
- **Due:** Students present synthesis of 2 relevant peer-reviewed papers.
 - Discussion and brainstorming of potential resources
 - Break into working groups, begin to outline group project ideas
- January 29 **In class:**
- Presentation and review of cover letters and resumes
 - Guidelines for tracking billable hours
 - Use class time to develop response to RFP.
- January 31 **In class:**
- **Due:** Presentation of course project outline
 - Feedback on projects; class time to develop RFP response

February 5 **Due:** Letter of intent (LOI), resumes, RFP response

February 7 **Field trip:** Dr. Lynne Rieske-Kinney: urban trees & insect pests

February 12 **Due today: Billable hours;** in-class working/meeting time

February 14 **Field trip:** Rob Paratley, urban street tree ID

February 19 **In class:** Dr. Larry Grabau, review of projects

February 21 Field work

February 26 **Due today: Billable hours**

February 28 TBA

March 5 **Progress reports to class**

March 7 **In-class time to work on projects; schedule time to meet with Dr. Arthur**

March 12/14 **Spring break**

March 19 **Due today:** Billable hours; progress reports to class

March 21 **Meet in classroom from 12:30 to 1:30**
From 1:30 to 4pm, in-class time to work on projects; schedule time to meet with Dr. Arthur

March 26 **Progress reports to class**

March 28 **TBA**

April 2 **Due today: Billable hours**

April 4 **Due today:** Presentation of outline of final oral presentation

April 9 **Due today:** Outline final written report; review of progress

April 11 **Due today:** Practice final oral presentation

April 16 **Due today:** Draft, final written report; review of progress

April 18 **Due today:** Final oral presentation to faculty and other stakeholders

April 23 **Due today: Billable hours;**

April 25 **Due today:** Final written report

May 2, 1pm. **Mandatory meeting during exam time to complete self-assessment, group assessment, and course evaluations.**