REQUEST FOR ADDITION OF NEW COURSE

Department: Agricultural Econ & Agbus
College: Agriculture
Date: September 22, 2017

PROPOSED COURSE DESCRIPTION

Rubric & No.: AGEC 7047
Title: Environmental Economics and Policy

Short Title (≤ 19 characters): E N V E C O N & P O L I C Y

Semester Hours of Credit: 3

If combination course type, # hrs. of credit for:
Lecture: 3
Lab/Sem/Rec: ___
Repeat Credit Max. (if repeatable):
No. credit hours: ___ Graduate Credit? Yes ___ No ___
Credit will not be given for this course and:
ENVS 7047

Course Type (Indicate hours in the appropriate course type.)
Lecture 3 Lab ___ Seminar ___ Lecture 1 Recitation ___ Lec/Rec ___ Lec/Sem ___ Lec/Lab ___ Res/Ind ___ Clin/Pract ___ Intern ___

Maximum enrollment per section: (use integer, e.g. 25 not 20-30) 10
Grading System: Letter Grade X Pass/Fail ___ Final Exam:** Yes X No ___

**(Attach justification if the proposed course will not hold a final exam during examination week.)**

Course Description:
(Concise catalog statement exactly as you wish it to appear in the General Catalog)

AGEC 7047 Environmental Economics and Policy (3)

See ENVS 7047.

BUDGET IMPACT (IF ANSWER TO ANY QUESTION IS "YES", ATTACH EXPLANATION.)

If this course is approved, will additional staff be needed? Yes ___ No X
Will additional space, equipment, special library materials or other major expense be involved? Yes ___ No X
Academic Affairs Approval: (Date)

ATTACHMENTS (ATTACH THE FOLLOWING TO YOUR PROPOSAL)

JUSTIFICATION: Justification must explain why this course is needed and how it fits into the curricula. Will the course duplicate other courses?
SYLLABUS: Including 14 week outline of the subject matter; titles of text, lab manual, and/or required readings; grading scale and criteria
(For 4000-level, specify graduate student grading criteria if requirements differ for graduate and undergraduate students.)

APPROVALS:

Department Faculty Approval Date 9/22/17 College Faculty Approval Date 10/20/17

Michael C. Salami 9/22/17
Department Chair Signature (date)

Jennifer Neal 1/23/18
College Contact E-mail

William B. Richardson 10/23/17
Chair, FS & C Committee (date)

John B. Hopper 1/31/18
Academic Affairs Approval (date)
Justification for cross-listing ENVS 7047 as AGEC 7047:

Environmental Economics and Policy (ENVS 7047) is a course originally developed by Dr. Walter Keithly and approved by the LSU Courses and Curriculum Committee during the 1990s. In 2006, Dr. Keithly’s research appointment (and office domicile) was moved from ENVS to the LSU Department of Agriculture Economics and Business. After his transfer, Dr. Keithly continued teaching the course from Agriculture Economics for an additional 10 years before his retirement in 2017. Over the past twenty years, the course has become a mainstay for Agricultural Economics and Agribusiness graduate students pursuing concentrations in the area of Natural Resource and Environmental Economics. The Agricultural Economics and Agribusiness department has used this course as an informal prerequisite for two graduate-level classes: Dynamics of Natural Resource Economics (AGEC 7513) and Nonmarket Valuation (AGEC 7523). (We are also requesting changes to these courses, showing ENVS/AGEC 7047 as a formal prerequisite.) Cross-listing the course as “ENVS/AGEC 7047” will allow our department the opportunity to continue utilizing the course as before, provide increased enrollment for the current instructor (Dr. Greg Upton), and avoid the duplication that would ensue if we were forced to recreate the course via formal approval processes. Cross-listing these courses will also formalize the Agricultural Economics and Agribusiness department’s continued commitment for support and/or delivery of this important course.
In response to the memo of February 1, 2018 regarding the outcome of the January 31, 2018 faculty senate C&C meeting with respect to the concern related to AGEC 7047 and why this needed to be cross-listed if it’s already being accepted without the cross-listing and is only being taught by faculty in ENVS please note the following:

1. ENVS 7047 is not only being taught by faculty in ENVS. Although this class is currently being taught by an ENVS faculty member, it has been taught by both AGEC and ENVS faculty. Over the last ten years it has been taught more often by an AGEC faculty than ENVS faculty. Cross-listing this course would reflect this shared responsibility and AGEC’s current and future commitment to this course.

2. Cross-listing ENVS 7047 and AGEC 7047 will allow AGEC graduate students to count this course as one of their AGEC electives. This will increase AGEC student enrollment in this course.

Thank you for your attention to this matter, and please let me know if there is any further information we can provide.

Sincerely,

Lynn Kennedy

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P. Lynn Kennedy, PhD
Crescent City Tigers Alumni Professor
Agricultural Economics & Agribusiness
Louisiana State University and LSU AgCenter
181 Martin D. Woodin Hall, Baton Rouge, LA 70803
office 225-578-2726 | fax 225-578-2716
lkennedy@agcenter.lsu.edu | lsu.edu | lsuagcenter.com
Re: ENVS 7047 Syllabus

Vincent L Wilson <vwilson@lsu.edu>
Fri 9/22/2017 9:47 AM

To: Kennedy, P. Lynn <LKennedy@agcenter.lsu.edu>

Lynn,
If you need something for your faculty and college, use this email indicating that the Department of Environmental Sciences is presently circulating the FS C&C course change form to cross-list AGEC 7047 with ENVS 7047. I am expecting this to be an easy approval process in our department and college.

Once this makes it through the Departmental committee, vote by the department, and progresses through the CC&E C&C committee it will be submitted directly to the FS C&C Committee. However, I will send you copies of the form once approved by our dept and subsequently when it is approved by the college. Hopefully, we can move both of these quickly, but I cannot promise how fast.
Hope this helps.
Take Care,
Vince

From: Kennedy, P. Lynn <LKennedy@agcenter.lsu.edu>
Sent: Friday, September 22, 2017 9:02:47 AM
To: Vincent L Wilson
Subject: Re: ENVS 7047 Syllabus

Vince,

Thanks! Can we also get a letter or other correspondence from you or someone in your department indicating that this has been approved by your department? This seems somewhat redundant if you are putting through a change form as well, but I've been told that courses and curricula likes to have that documentation.

Best,

Lynn

LSU
P. Lynn Kennedy, PhD
Crescent City Tigers Alumni Professor
Agricultural Economics & Agribusiness
Louisiana State University and LSU AgCenter
181 Martin D. Woodin Hall, Baton Rouge, LA 70803
office 225-578-2726 | fax 225-578-2716
lkennedy@agcenter.lsu.edu | lsu.edu | lsuagcenter.com

From: Vincent L Wilson <vwilson@lsu.edu>
Sent: Friday, September 22, 2017 7:04:18 AM
To: Kennedy, P. Lynn; Caffey, Rex H.
Cc: Kevin L Armbrust; Gregory B Upton; Charlotte G St Romain; David E Dismukes
Subject: Re: ENVS 7047 Syllabus

Lynn,
Ok, will push go over the application and push this here, and hopefully meet your deadline of mid-October. I will let you know if I find anything that needs modification.
Take Care,
Teaching philosophy and course objectives

Human welfare, which is the focus of economic theory, is inextricably linked to the environment in which we live. Not only do we rely on the environment for production of goods and services, but also we enjoy the environment in and of itself. The purpose of this course will be to (1) understand how the environment is assessed from an human-centric social-sciences perspective, (2) be exposed to social science research methods where randomized control trials and lab experiments are not possible, and (3) understand how economic theory and empirical research can be applied in real-world policy making.

This is a graduate level course. Therefore reading and interpreting academic research will be a central theme throughout the course. The main goal for all students at the end of the semester is to become comfortable with reading papers and discussing research design.

Required Readings

While there is no required text book for this course, there will be required readings throughout the semester. Students are expected to keep up with these readings. Students will be responsible for completing readings before class and be prepared to discuss.

Grading

Course grades will be determined as follows:

- Three exams worth 20 percent each (60 percent)
- Writing/homework assignments (20 percent)
- Class Participation (10 percent)
- Class Presentation (10 percent)

The final exam is mandatory. A missed exam will be given a grade of zero points, unless the instructor is notified prior to the exam and the excuse is valid, fully documented, and officially approved by the university (the definition of "officially approved" can be found in LSU policy statement PS-22). If an exam is missed due to an emergency situation, the valid excuse must be provided by the date of the subsequent exam. Exams that are missed for excused reasons cannot be made up—no exceptions. Instead, the weight of the missed exam will be allocated to the final exam.
<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
<th>Grade</th>
<th>Range</th>
</tr>
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<tbody>
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<td>96.5-100</td>
<td>D+</td>
<td>66.5-69.5</td>
</tr>
<tr>
<td>A</td>
<td>92.5-96.5</td>
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<td>C-</td>
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Laptop Policy

It is unlikely that a laptop will be useful for the purposes of taking notes in this class. While that is the case, students who would like to take notes on a laptop are welcome to do so, but are asked to sit in the back of the classroom in order to avoid distracting other students. On days with guest speakers and student presentations, laptops will be strictly prohibited.

Important Dates

Exam 1: Thursday, September 21
Energy Summit: Wednesday, October 18
Exam 2: Tuesday, November 7
Student Presentations: Weeks of November 21st and November 28th.
Final Exam: Monday, December 4. 3:00-5:00 PM (per University scheduled time)

Test dates and materials to be included on each test are tentative and are therefore subject to change.

Writing assignments

For each reading assignment given in class, students will be required to turn in a short summary of the paper. A template will be provided on Moodle. Students are expected to use this template for all writing assignments. Verbosity will not be rewarded. Instead, clear and concise overviews of the research of interest should be provided. Never copy straight from a paper—see plagiarism guidelines as needed.

Similarly, for all guest lectures, students will be required to turn in a short summary of the lecture. A template will be provided on Moodle.

Paper summaries are due on the day that each paper is discussed. Late summaries will not be accepted. Guest lecture summaries will be due the class after the lecture.

Class Presentation

Students will give a 15-20 minute presentation on an academically published paper of their choice to the class. While I provide a list of papers (see attached reading list), students are also welcome to find another paper not on this list to present. Any paper not on this list must be approved by the instructor. Remember, this should be a paper with environmental and economic policy implications. Following the presentation, students will be asked questions for 5-10 minutes from their peers.

Students will be required to inform the instructor of the paper they will be presenting by Tuesday, November 14th (one full week before presentations begin). Students will be expected to have read each
paper presented by their peers and turn in a summary on the day of the presentation (just like all other papers throughout the semester).

Extra Credit

The LSU Center for Energy Studies will be conducting its annual “Energy Summit” conference in the ECE building on Wednesday October 18, 2017. The conference is an all-day event that will discuss timely issues in the energy industry. Students in this course will be allowed to attend the conference without charge for extra credit provided they meet the following guidelines:

- Students MUST register for the conference through the on-line registration portal located at: www.enrg.lsu.edu/conferences.
- When registering, students need to check the box for “ENVS Student Scholarship.” No payment will be necessary.
- Students attending the conference MUST dress appropriately. Suits and other formal business attire are not required, but students should wear appropriate “business casual” apparel and footwear.
- Students are welcome to the light breakfast, snacks and coffee breaks, luncheon, and post-conference reception that are included as part of the conference.

Students will be required to complete a template summarizing the presentations in order to receive extra credit for this assignment. The template will be provided by the instructors on Moodle. A total of 2% of the course grade will be available by attending this event. Typically, a total of 8 presentations or so are given at the conference; students will receive 0.5% extra credit per presentation they attend and report on up to a maximum of 2% if they attend and report on at least 4 presentations. The extra credit template report will be due on Tuesday, October 24, 2017: no exceptions or late-prepared reports will be accepted.

Students are strongly encouraged to attend the entire event. However, if you have a conflict please notify the instructor by Wednesday, October 18th (two weeks prior to the event) in order to discuss other make-up or supplemental extra credit possibilities. Do not attempt to approach the instructors at the end of the term seeking extra credit.

Student Conduct

Reading and writing will be a central theme to this course. Academic dishonesty will not be tolerated. Students should read and follow LSU’s plagiarism guide at: www.lsu.edu/judicialaffairs/plagiarism.htm. Students will be asked to summarize academic research throughout the semester, but this does not give students agency to plagiarize.

If you have any questions about what is considered plagiarism, do not hesitate to ask. During your graduate studies at LSU, you will continually need to read, interpret, and communicate the results of research relative to your own work. Thus, understanding how to cite other’s work appropriately is a key skill that I hope you will acquire in this course.

All materials provided to the class are the intellectual property of the instructor. Posting any materials on the internet is strictly prohibited.
Request for CHANGING an Existing Course

Department: Ag. Econ. and Agribusiness  
College: Agriculture  
Course Rubric & Number: AGE 7513  
Date: September 22, 2017

PRESENT COURSE DESCRIPTION

Title: Dynamics in Natural Resource Economics
Semester Hours of Credit: 3
If combination course type, # hrs. of credit for:
Lecture: 3  
Lab/Sem/Rec: ______  
Repeat Credit Max. (if repeatable): No
Graduate Credit?: Yes X  
Credit will not be given for this course and:
Contact Hours Per Week: ______  
Lecture: ______  
Lab: ______  
Seminar: ______  
Recitation: ______  
Intern: ______  
Res/Ind: ______  
Clin/Pract: ______  
Total Weekly Contact Hours: ______  
Grading System: Letter Grade X  
Pass/Fail ______  
Course Description:
7513 Dynamics in Natural Resource Economics (3) F-O  
Dynamic economic concepts in evaluating natural resource problems. Economically optimal usage of renewable and nonrenewable natural resources.

PROPOSED COURSE DESCRIPTION

Title: Dynamics in Natural Resource Economics
Short Title: DYNATRES  
Semester Hours of Credit: 3
If combination course type, # hrs. of credit for:
Lecture: 3  
Lab/Sem/Rec: ______  
Repeat Credit Max. (if repeatable): No
Graduate Credit?: Yes X  
Credit will not be given for this course and:
Contact Hours Per Week: ______  
Lecture: ______  
Lab: ______  
Seminar: ______  
Recitation: ______  
Intern: ______  
Res/Ind: ______  
Clin/Pract: ______  
Total Weekly Contact Hours: ______  
Grading System: Letter Grade X  
Pass/Fail ______  
Course Description:
7513 Dynamics in Natural Resource Economics (3) F-O  
Prerequisites: AGE 7047 or ENVS 7047 or concurrent enrollment. Dynamic economic concepts in evaluating natural resource problems. Economically optimal usage of renewable and nonrenewable natural resources.

THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.

Has this change been discussed with and approved by all departments/colleges affected? Yes No N/A X
Is this course included in any curricula, concentrations, or minors? Yes No X If yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes No X If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes No X

JUSTIFICATION/EXPLANATION: Use separate sheet.
Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS

Department Faculty Approval Date: 9/22/17  
Department Chair Signature: Michael C. Solari  
(date)

Graduate Dean Approval Date: 11/12/17  
Graduate Dean Signature: Michelle A. Murne  
(date)

College Faculty Approval Date: 10/20/17  
College Dean Signature: William B. Richardson  
(date)

Chair, F5 C&C Committee Approval Date: 1/31/18  
Chair, F5 C&C Committee Signature: John B. Hoppe  
(date)

Academic Affairs Approval Date: 2/11/18  
Academic Affairs Approval Signature: Jennifer Neal  
(jshearw1@isu.edu)
Justification for cross-listing ENVS 7047 as AGEC 7047:

Environmental Economics and Policy (ENVS 7047) is a course originally developed by Dr. Walter Keithly and approved by the LSU Courses and Curriculum Committee during the 1990s. In 2006, Dr. Keithly’s research appointment (and office domicile) was moved from ENVS to the LSU Department of Agriculture Economics and Business. After his transfer, Dr. Keithly continued teaching the course from Agriculture Economics for an additional 10 years before his retirement in 2017. Over the past twenty years, the course has become a mainstay for Agricultural Economics and Agribusiness graduate students pursuing concentrations in the area of Natural Resource and Environmental Economics. The Agricultural Economics and Agribusiness department has used this course as an informal prerequisite for two graduate-level classes: Dynamics of Natural Resource Economics (AGEC 7513) and Nonmarket Valuation (AGEC 7523). (We are also requesting changes to these courses, showing ENVS/AGEC 7047 as a formal prerequisite.) Cross-listing the course as “ENVS/AGEC 7047” will allow our department the opportunity to continue utilizing the course as before, provide increased enrollment for the current instructor (Dr. Greg Upton), and avoid the duplication that would ensue if we were forced to recreate the course via formal approval processes. Cross-listing these courses will also formalize the Agricultural Economics and Agribusiness department's continued commitment for support and/or delivery of this important course.
**PRESENT COURSE DESCRIPTION**

<table>
<thead>
<tr>
<th>Title</th>
<th>Nonmarket Valuation Methods in Agriculture and Natural Resources</th>
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<tbody>
<tr>
<td>Semester Hours of Credit</td>
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<td>If combination course type, # hrs. of credit for Lecture</td>
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<td>Repeat Credit Max. (if repeatable)</td>
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<td>Contact Hours Per Week: (Indicate hours in appropriate course type.)</td>
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<td>Lecture</td>
<td>Lab</td>
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<td>Total Weekly Contact Hours:</td>
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<td>Grading System:</td>
<td>Letter Grade X</td>
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<tr>
<td>Course Description:</td>
<td>(Include course number, title, etc. exactly as it appears in the General Catalog)</td>
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**PROPOSED COURSE DESCRIPTION**

<table>
<thead>
<tr>
<th>Title</th>
<th>Nonmarket Valuation Methods in Agriculture and Natural Resources</th>
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<tbody>
<tr>
<td>Short Title</td>
<td>N C N N M T V A L M E T H C D S</td>
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<tr>
<td>Semester Hours of Credit</td>
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<tr>
<td>If combination course type, # hrs. of credit for Lecture</td>
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</tr>
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<td>Graduate Credit?</td>
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</table>

7523 Nonmarket Valuation Methods in Agriculture and Natural Resources (3) F-E: Economic concepts and methods of nonmarket valuation applied to agricultural and natural resource economics; contingent valuation, hedonic pricing, travel cost, conjoint analysis and contingent ranking, and benefit transfer.

**THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.**

Has this change been discussed with and approved by all departments/colleges affected? Yes No X NIA X

Is this course included in any curricula, concentrations, or minors? Yes No X If yes, please list on a separate sheet.

Is this course a prerequisite or corequisite for other courses? Yes No X If yes, list courses; use separate sheet.

Is this course on the General Education list? Yes No X

**JUSTIFICATION/EXPLANATION:** Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

**APPROVALS**

<table>
<thead>
<tr>
<th>Department Faculty Approval Date</th>
<th>College Faculty Approval Date</th>
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<tbody>
<tr>
<td>9/22/17</td>
<td>10/20/17</td>
</tr>
</tbody>
</table>

**Department Chair Signature**

Michael S. Salvi 9/22/17

**Graduate Dean Signature**

Michelle A. Pavlos 11/7/17

**College Dean Signature**

Jennifer Neal jshea@lsu.edu

**Chair, FS C & C Committee**

William B. Richardson 10/23/17

**Date**

2/19/18
Justification for cross-listing ENVS 7047 as AGEC 7047:

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# REQUEST FOR DROPPING A COURSE

**Department:** Renewable Natural Resources  
**College:** Agriculture  
**Date:** 10/27/17

## COURSE DESCRIPTION

<table>
<thead>
<tr>
<th>Rubric &amp; No.</th>
<th>RNR 7151</th>
<th>Title</th>
<th>Watershed Hydrology and Floodplain Analysis</th>
</tr>
</thead>
</table>

### NOTE: Affected departments must be notified in writing and with adequate time allowed for written response(s). Responses must be included with this form.

Has this drop been discussed with and approved by all departments/colleges affected? **Yes**  
**No**  
**N/A**  

This course is presently **included** or referenced in the following curriculum, minor, concentration, area of specialization, or catalog chapter:

*(If additional space is needed, please attach a separate piece of paper.)*

### M.S. Renewable Natural Resources, Watershed Science Conc.

### Ph.D. Renewable Natural Resources, Watershed Science Conc.

Is this course a prerequisite or corequisite for any other courses?  
*(If answer to above is “yes”, please list courses by rubric and course number. (If additional space is needed, please attach a separate piece of paper.)*  

### Is this course on the general education list?  
*If yes, attach approval of drop from General Education Committee*  

### REASON FOR REQUEST TO DROP COURSE:

Student interest in course has been very limited. Input from students suggest that the topic is too limiting.

## APPROvals

<table>
<thead>
<tr>
<th>Department Faculty Approval Date</th>
<th>8/17/2017</th>
<th>College Faculty Approval Date</th>
<th>11/27/17</th>
</tr>
</thead>
</table>

**D. Allen Rutherford**  
Digitally signed by Allen Rutherford  
Date: 2017.10.05 14:24:56 +00'00'

**M. Massé**  
Date: 11/27/17  
Red 11/15/18

**J. Neal**  
E-mail: jshrews@lsu.edu

**William B. Richardson**  
College Dean Signature  
(Date)

**Jennifer Neal**  
Graduate Dean Signature  
(Date)

**John H. Harris**  
Chair, FS C&C Committee  
(Date)

**Academic Affairs Approval**  
(Date)
Request for CHANGING an Existing Course

<table>
<thead>
<tr>
<th>Department</th>
<th>Renewable Natural Resources</th>
<th>College</th>
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### PRESENT COURSE DESCRIPTION

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<th>Title</th>
<th>Water Quality Management and Policy</th>
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<td>Repeat Credit Max. (if repeatable):</td>
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<td>Contact Hours Per Week:</td>
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<td>Lecture 3</td>
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</tbody>
</table>
RNR 7061 Water Quality Management and Policy (3). See ENVS 7061

### PROPOSED COURSE DESCRIPTION

<table>
<thead>
<tr>
<th>Title</th>
<th>Watershed Biogeochemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Title</td>
<td>W A T E R S H E D B I O G E O C H E</td>
</tr>
<tr>
<td>Semester Hours of Credit</td>
<td>3</td>
</tr>
<tr>
<td>If combination course type, # hrs. of credit for</td>
<td>Lecture:</td>
</tr>
<tr>
<td>Repeat Credit Max. (if repeatable):</td>
<td>Yes</td>
</tr>
<tr>
<td>Graduate Credit?</td>
<td>Yes</td>
</tr>
<tr>
<td>Credit will not be given for this course and:</td>
<td></td>
</tr>
<tr>
<td>Contact Hours Per Week:</td>
<td>(Indicate hours in appropriate course type.)</td>
</tr>
<tr>
<td>Lecture 3</td>
<td>Lab</td>
</tr>
<tr>
<td>Total Weekly Contact Hours</td>
<td>3</td>
</tr>
<tr>
<td>Grading System:</td>
<td>Letter Grade X</td>
</tr>
<tr>
<td>Course Description:</td>
<td>(Include course number, title, etc. exactly as it appears in the General Catalog)</td>
</tr>
</tbody>
</table>
RNR 7061 Watershed Biogeochemistry (3). See ENVS 7061

**THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED:**

Has this change been discussed with and approved by all departments/colleges affected? Yes X No N/A

Is this course included in any curricula, concentrations, or minors? Yes X No If yes, please list on a separate sheet.

Is this course a prerequisite or corequisite for other courses? Yes X No If yes, list courses; use separate sheet.

Is this course on the General Education list? Yes X No

**JUSTIFICATION/EXPLANATION:** Use separate sheet.

**Note:** IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

**APPROVALS**

<table>
<thead>
<tr>
<th>Department Faculty Approval Date</th>
<th>8/17/2017</th>
<th>College Faculty Approval Date</th>
<th>11/17/17</th>
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<tbody>
<tr>
<td>Digitally signed by Allen Rutherford</td>
<td>Date: 2017.10.4 17:21:29-05:00</td>
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<td></td>
</tr>
<tr>
<td>Mitchell A. Marie</td>
<td>11/10/17</td>
<td></td>
<td>1/5/18</td>
</tr>
<tr>
<td>Jennifer Neal</td>
<td>[<a href="mailto:jnore@asu.edu">jnore@asu.edu</a>]</td>
<td></td>
<td>2/6/18</td>
</tr>
</tbody>
</table>
Instructions for Form C: Request for Changing a Course

Justification: ENVS 7061 Water Quality Management and Policy was created in 1998 in the Department of Environmental Sciences. In 2007, the course was cross-listed with the School of Renewable Natural Resources, and Dr. Yi-jun (Jun) Xu began offering the course on a regular basis. In response to student needs and feedback, the content of the course changed over time. In 2017, both academic units realized that the course name should be changed to reflect course content and increase course awareness to students who may not have associated the course title with its content. Therefore, both the Department of Environmental Science and the School of Renewable Natural Resources request this change.

Curriculum: RNR 7061 is included in the M.S. and Ph.D. in Renewable Natural Resources, Watershed Science Area of Concentration.

Evidence of Communication:

Vince,

I think our school has a set of proposals and Dr. Michael Kaller plans to submit them all together in a single package. I am Ccing this email to him so that you both can be in direct contact regarding this course name change.

Thank y'all for your support,

Jun

From: monster77@aol.com [mailto:monster77@aol.com]
Sent: Friday, September 22, 2017 12:20 PM
To: Yi-jun Xu <yjxu@lsu.edu>
Subject: Re: Renaming ENVS 7061 & Offering of ENVS 4900 in Spring 2018

Jun,

Still have not received anything for these course changes?? Do you have a justification written for each Course name change, 7061 and 7151? Also, the necessary change in the catalog description for each with the name change? Provide me with those and I will initiate forms here for ENVS.

Let me know.
Take Care,
Vince

From: Yi-jun Xu
Sent: Thursday, September 14, 2017 9:05 AM
To: Michael D Kaller <mkalle1@lsu.edu>
Subject: Re: Proposal for changing the name of 7061 - RE: Cancellation of RNR 7061
Importance: High

Hi Mike,

ENVS is contacting me regarding the name change for 7061 and 7151. Because both courses are cross-listed by RNR and ENVS, they also need to act when your request forms are submitted. Can you let me know when roughly that is going to happen? I need to inform ENVS folks about the schedule.

Jun
Instructions for Form C: Request for Changing a Course

Watershed Biogeochemistry
ENVS / RNR 7061

Instructor: Y. Jun Xu
220 RNR Building, 578-4168
yjxu@lsu.edu

Catalog Statement
Biogeochemical processes in watersheds; sources and effects of water pollutants; water quality standards and criteria; total maximum daily loads; watershed approach and application of mathematical models to water quality management.

Course Description
This course is a graduate-level introduction to physical, chemical and biological processes that affect hydrochemistry of watersheds. The course builds on and complements existing courses in Renewable Natural Resources and Environmental Sciences, particularly Watershed Hydrology (RNR/ENVS 4900). Analytical techniques for assessing water chemical conditions will be introduced. The impacts of human activities on nutrient, carbon, sediment and metal runoff will be reviewed. Management practices and policy regulations that maintain or improve the health of water quality will be discussed. The course aims to provide a process-level understanding of watershed biogeochemistry so that students will be able to understand the consequences of land use and climate change on water flow and quality at the watershed scale.

Prerequisites & Expectation
Permission of instructor.
Students are expected to have a background in hydrology, chemistry, physics, and computing.

Textbook
No textbook is designated. Weekly readings will be based on a combination of various references and lecture handouts.

Class Topics
- Week 1 – Introduction and overview
- Week 2 – Headwaters and watersheds
- Week 3 – Chemical connection among atmosphere, pedosphere, biosphere and hydrosphere
- Week 4 – Chemical reactions in water
- Week 5 – Mixing analysis
- Week 6 – Nitrogen cycling
- Week 7 – Phosphorus cycling
- Week 8 – Dissolved organic matter and carbon cycling
- Week 9 – Metals
- Week 10 – Interactions between particulate and dissolved materials
- Week 11 – Tracer applications in biogeochemistry
- Week 12 – Water quality and standards
- Week 13 – Watershed approach to water quality protection
Instructions for Form C: Request for Changing a Course

- Week 14 – Class presentations
- Week 15 – Class presentations
- Week 16 – Class presentations

Grading Standard
- Project: 40% (Final report and class presentation)
- Leading discussion: 20%
- Homework: 20% (Several article reviews and reports)
- Participation: 20% (Participation in class discussions)

Grading Standard
- Final grading as a percentage of the total points will be

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>100% or more</td>
<td>A+</td>
</tr>
<tr>
<td>93% - 99%</td>
<td>A</td>
</tr>
<tr>
<td>90% - 92%</td>
<td>A-</td>
</tr>
<tr>
<td>87% - 89%</td>
<td>B+</td>
</tr>
<tr>
<td>83% - 86%</td>
<td>B</td>
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<tr>
<td>60% - 62%</td>
<td>D-</td>
</tr>
<tr>
<td>0% - 59%</td>
<td>F</td>
</tr>
</tbody>
</table>

Expectations LSU’s general policy states that for each credit hour, you (the student) should plan to spend at least two hours working on course related activities outside of class. Since this course is for three credit hours, you should expect to spend a minimum of six hours outside of class each week working on assignments for this course. For more information see: http://catalog.lsu.edu/content.php?catoid=12&navoid=822.

LSU student code of conduct The LSU student code of conduct explains student rights, excused absences, and what is expected of student behavior. Students are expected to understand this code as described here: http://students.lsu.edu/sao/students/code. Any violations of the LSU student code will be duly reported to the Dean of Students.

Disabilities The University is committed to making reasonable efforts to assist individuals with disabilities in their efforts to avail themselves of services and programs offered by the University. To this end, Louisiana State University will provide reasonable accommodations for persons with documented qualifying disabilities. If you have a disability and feel you need accommodations in this course, you must present a letter to me from Disability Services in 115 Johnston Hall, indicating the existence of a disability and the suggested accommodations.