Submit original with signatures + 1 copy + electronic copy to UAF Governance. See http://www.uaf.edu/uafgov/faculty/cd for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

<table>
<thead>
<tr>
<th>SUBMITTED BY:</th>
<th></th>
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<tbody>
<tr>
<td>Department</td>
<td>Economics</td>
</tr>
<tr>
<td>Prepared by</td>
<td>Ellen Weiser/Gary Kofinas</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:fyrapweb@uaf.edu">fyrapweb@uaf.edu</a></td>
</tr>
<tr>
<td>Contact</td>
<td></td>
</tr>
<tr>
<td>College/School</td>
<td>SOM</td>
</tr>
<tr>
<td>Phone</td>
<td>7987</td>
</tr>
<tr>
<td>Faculty</td>
<td>Mark Herrmann</td>
</tr>
<tr>
<td>Contact</td>
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</tbody>
</table>

1. ACTION DESIRED
(CHECK ONE):
- Trial Course
- New Course [X]

2. COURSE IDENTIFICATION:

<table>
<thead>
<tr>
<th>Dept</th>
<th>Economics</th>
<th>Course #</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>#F693</td>
<td></td>
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<tr>
<td></td>
<td>No</td>
<td>1</td>
</tr>
</tbody>
</table>

Justify upper/lower division status & number of credits:

This course requires graduate student standing or permission of instructor and is designed to help provide graduate students with economics background that is necessary for understanding the role of economics in complex systems involving interactions among biological, economic, and social processes. This course will constitute one of three optional modules for graduate students in the Resilience and Adaptation (RAP). The other two one-credit modules will be in anthropology and ecology. The instructors of all three courses are coordinating their scheduling of the lectures in these modules so that they do not overlap and are available to incoming students in RAP.

3. PROPOSED COURSE TITLE:

Eco logical Background for Resilience and Adaptation

4. CROSS LISTED?
YES/NO

<table>
<thead>
<tr>
<th>No</th>
<th>Course #</th>
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</table>

(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)

5. STACKED?
YES/NO

<table>
<thead>
<tr>
<th>No</th>
<th>Course #</th>
</tr>
</thead>
</table>

If yes, Dept.

6. FREQUENCY OF OFFERING:

Every Fall

(Every or Alternate) Fall, Spring, Summer – or As Demand Warrants

7. SEMESTER & YEAR OF FIRST OFFERING (if approved)

Fall 2004

8. COURSE FORMAT:

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school’s curriculum council. Furthermore, any core course compressed to less than six weeks must be approved by the core review committee.

<table>
<thead>
<tr>
<th>COURSE FORMAT: (check one)</th>
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<tbody>
<tr>
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</tbody>
</table>

This course will be offered in 3 five week modules

- Lecture

9. CONTACT HOURS PER WEEK:

<table>
<thead>
<tr>
<th>3</th>
<th>LECTURE hours/week</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>LAB hours/week</td>
</tr>
<tr>
<td></td>
<td>PRACTICUM hours/week</td>
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</tbody>
</table>

Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit, 2400 minutes of lab in a science course=1 credit, 1600 minutes in non-science lab=1 credit, 2400-4800 minutes of practicum=1 credit, 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See http://www.uaf.edu/uafgov/faculty/cd/credits.html for more information on number of credits.

OTHER HOURS (specify type)
10. COMPLETE CATALOG DESCRIPTION including dept., number, title and credits (50 words or less, if possible):

Economics  Background for Resilience and Adaptation provides the economics background that is necessary for understanding the role of economics in complex systems involving interactions among biological, economic and social processes. This course is designed for incoming students of the Resilience and Adaptation Program (RAP) that have not received training in economics.

11. COURSE CLASSIFICATIONS: (undergraduate courses only. Use approved criteria found on Page 10 & 17 of the manual. If justification is needed, attach on separate sheet.)

H = Humanities   N = Natural Science   S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core?  YES ☐ NO ☐

IF YES, check which core requirements it could be used to fulfill:
O = Oral Intensive, W = Writing Intensive, Format 6 ☐ Format 7 ☐ Natural Science, Format 8 ☐

12. COURSE REPEATABILITY:

Is this course repeatable for credit? YES ☐ NO ☒

Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).

How many times may the course be repeated for credit? N/A TIMES

If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course? N/A CREDITS

13. GRADING SYSTEM:

LETTER: ☐ PASS/FAIL: ☒

14. PREREQUISITES

Graduate student enrollment or permission of instructor

These will be required before the student is allowed to enroll in the course.

RECOMMENDED

None

Classes, etc. that student is strongly encouraged to complete prior to this course.

15. SPECIAL RESTRICTIONS, CONDITIONS

None

16. PROPOSED COURSE FEES

$None

Has a memo been submitted through your dean to the Provost & VCAS for fee approval? Yes/No ☐

17. PREVIOUS HISTORY

Has the course been offered as special topics or trial course previously? Yes/No ☐

If yes, give semester, year, course #, etc.: Fall 2004; Fall 2006; Fall 2007; Fall 2008;
18. ESTIMATED IMPACT
WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.
Course will require a classroom for lecture

19. LIBRARY COLLECTIONS
Have you contacted the library collection development officer (ffklj@uaf.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.

<table>
<thead>
<tr>
<th>No</th>
<th>Yes</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td></td>
<td></td>
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</tbody>
</table>

20. IMPACTS ON PROGRAMS/DEPTS
What programs/departments will be affected by this proposed action?
Include information on the Programs/Departments contacted (e.g., email, memo)
The Resilience and Adaptation Program, Economics department, SOM

21. POSITIVE AND NEGATIVE IMPACTS
Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.
None

JUSTIFICATION FOR ACTION REQUESTED
The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

Major problems facing the world must be addressed at the global and regional scale, and solutions to these problems need to be ecologically, economically and culturally sustainable. A basic understanding in economics is necessary for understanding the complexity of interactions among biological, economic and social processes and to appreciate the relevance of these interactions for the management of biological and human resources.

APPROVALS:

Signature, Chair, Program/Department of: [Signature]
Economics
Date 2-6-09

Signature, Chair, College/School Curricular Council for: [Signature]
School of Management
Date 2-6-09

Signature, Dean, College/School of: [Signature]
School of Management
Date 2-6-09
Signature of Provost (if applicable)
Offerings above the level of approved programs must be approved in advance by the Provost.

ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

Signature, Chair, UAF Faculty Senate Curriculum Review Committee

ADDITIONAL SIGNATURES: (If required)

Signature, Chair, Program/Department of:

Signature, Chair, College/School Curriculum Council for:

Signature, Dean, College/School of:
ATTACH COMPLETE SYLLABUS (as part of this application).
Note: syllabus must follow the guidelines discussed in the Faculty Senate Guide http://www.uaf.edu/uafgov/faculty/cd/syllabus.html.
The department and campus wide curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course change will be denied.

SYLLABUS CHECKLIST FOR ALL UAF COURSES
During the first week of class, instructors will distribute a course syllabus.
Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

1. Course information:
   - Title, number, credits, prerequisites, location, meeting time (make sure that contact hours are in line with credits).

2. Instructor (and if applicable, Teaching Assistant) information:
   - Name, office location, office hours, telephone, email address.

3. Course readings/materials:
   - Course textbook title, author, edition/publisher.
   - Supplementary readings (indicate whether required or recommended) and any supplies required.

4. Course description:
   - Content of the course and how it fits into the broader curriculum;
   - Expected proficiencies required to undertake the course, if applicable.
   - Inclusion of catalog description is strongly recommended, and Description in syllabus must be consistent with catalog course description.

5. Course Goals (general) and Student Learning Outcomes (more specific)

6. Instructional methods:
   - Describe the teaching techniques (e.g., lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.).

7. Course calendar:
   - A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g., it is not adequate to say “lab”. Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester.

8. Course policies:
   - Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity.

9. Evaluation:
   - Specify how students will be evaluated, what factors will be included, their relative value, and how they will be tabulated into grades (on a curve, absolute scores, etc.)

10. Support Services:
   - Describe the student support services such as tutoring (local and/or regional) appropriate for the course.

11. Disabilities Services:
The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials.
   - State that you will work with the Office of Disabilities Services (203 WHIT, 474-7043) to provide reasonable accommodation to students with disabilities.”
ECONOMICS 693

Economic Background for Regional Resilience and Adaptation

Fall 2009

Instructor: Mark Herrmann
Class Time: Tuesday and Thursdays, 8:00 a.m. to 9:30 a.m.
Class Place: 201 Bunnell
Office: 201 Bunnell
Office Hours: After class, by e-mail, or call me any time for appointment.
Phone and e-mail: 907-474-7116, ffmlh@uaf.edu.
Prerequisites Graduate standing or permission of instructor.
Required Readings: Class notes (possible a reading or two).

Course Description:

Economic Background for Regional Resilience and Adaptation provides the economic background that is necessary for understanding the role of resource economics in complex systems involving interactions among biological, economic, and social processes. This course is designed for incoming students of the Resilience and Adaptation (RAP) Program that have not received foundation training in economics.

Grading Policy:

The class is graded Pass/Fail and a passing grade consists on satisfactory performance (at a graduate level) based on class participation (100%).
Course Goals:

1) Understand fundamental microeconomic analysis.
2) Be able to converse with economists with some understanding of their language.
3) Be better able to understand the economics that follows in other RAP courses.
4) Be better able to decide if economic tools is appropriate for your research.

Students with disabilities:

Students with learning or other disabilities who may need classroom accommodations are encouraged to make an appointment with the Office of Disability Services (474-7043). Please meet with me during office hours so that we can collaborate with the Office of Disability Services to provide the appropriate accommodations and supports to assist you in meeting the goals of the course.

Planned Subject Coverage (by lectures):

Nov 5 (R): Introduction to Economics
Nov 10 (T): Introduction to Economics
Nov 12 (R): Fundamentals of Demand
Nov 17 (T): Fundamentals of Demand
Nov 19 (R): Fundamentals of Supply
Nov 24 (T): Comparative Statics
Dec 1 (T): Efficiency and Equity
Dec 3 (R): Common and Private Property and Open Access
Dec 8 (T): Market Failure