

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).
 See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedure> for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department	URSA (Undergraduate Research and Scholarly Activity)	College/School	Division of General Studies
Prepared by	Barbara Taylor	Phone	474-2487
Email Contact	betaylor@alaska.edu	Faculty Contact	Barbara Taylor

1. ACTION DESIRED
(CHECK ONE):

Trial Course

New Course

		488	No. of Credits	2-6
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XX
No

Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) — or As Demand Warrants

7. SEMESTER & YEAR OF FIRST OFFERING (AY2011-12 if approved by 3/1/2012; otherwise AY2012-13)

Fall 2011

8. COURSE FORMAT:

NOTE: Course hours may not be compressed into fewer than the specified 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.

COURSE FORMAT (check all that apply)	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input type="checkbox"/>	6 weeks to full semester
OTHER FORMAT (specify)												
Mode of delivery (specify lecture, field trips, labs, etc)	Lecture and faculty mentorship											

9. CONTACT HOURS PER WEEK

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

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

13. GRADING SYSTEM: Specify only one. Note: Later changing the grading system for a course constitutes a Major Course Change.

LETTER : PASS/FAIL:

RESTRICTIONS ON ENROLLMENT (if any)

14. PREREQUISITES

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

Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

We anticipate that the course will represent an important recruiting platform for prospective undergraduate researchers and will have a positive effect on enrollment at UAF. The only potential for negative impact is if any student research seminars are already being offered within departments and schools; there could be competition for student enrollment. Chemistry and Biochemistry has such a course (Chem 488) and Biology and Wildlife offered such a course once as a special topics course. If such courses exist, cross-listing with URS would be beneficial by expanding their scope or spreading the workload effort of instruction/coordination.

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

21. POSITIVE AND NEGATIVE IMPACTS

Please specify positive and/or negative impacts of the proposed change.

course. If such courses exist, cross-listing with ORSA could be beneficial.

to make sure that the quality of UAF education is not lower as a result of the proposed change. address the question of how the proposed change needs to be structured.

Signature: Dean, College School of

UAF

Preliminary Syllabus:

URSA 488 Undergraduate Research and Creative Scholarship II

Fall 2011

Course Information:

Title: Undergraduate Research and Creative Scholarship II

CRN Number: TBD

Instructor: Barbara Taylor, PhD
Contact Information: betaylor@alaska.edu; 474-2487
Office Location: URSA Office 301 Bunnell
Office Hours for Students: weekdays 9AM – 5PM

Course Readings/Materials:

How to Mentor Undergraduate Researchers Council on Undergraduate Research (CUR)

<http://www.cur.org>

Course Description:

Undergraduate research refers to collaboration in original research and/or creative activity between an undergraduate student and a faculty member, leading to work which is presentable to scholars in the field. Projects may be an element of the faculty member's work or could be initiated by the student. Undergraduate Research offers opportunities for student research in advanced topics beyond typical undergraduate course offerings. Enrolled student are required to make a presentation and turn in a final report. Research areas range across all disciplines. A substantial level of discipline-specific background, a level commensurate with having achieved junior or senior standing, is assumed.

Course Goals:

Involvement in research or creative scholarship can be an important ingredient in a successful and satisfying baccalaureate program. Undergraduate Research and Creative Scholarship II offers opportunities for student project work in advanced topics beyond typical undergraduate course offerings. Students must meet with the course instructor in the previous semester to identify their mentor and proposed project mentor. Enrolled students will spend the semester working on their project with their mentor and at the end will present their work as a poster and a final written report. A substantial level of discipline-specific background, a level commensurate with having achieved junior or senior standing, is assumed. As a research university, UAF strives to communicate to undergraduate students how research and scholarly activity is conducted. Accordingly, the course goals of URSA 488 are that students learn, through direct research experience, how discipline-specific knowledge is created and how to communicate research results in oral, written and performance formats.

Student Learning Outcomes:

The intended outcomes of URSA 488 are that students learn, through direct research experience, how discipline-specific knowledge is created and how to communicate research results in oral, written and performance formats. Specifically students will learn:

1. tools, skills and techniques specific to the discipline that encompasses their project
2. critical thinking skills leading to ability to engage in research, to interpret results and to formulate future questions and directions
3. to communicate research motivations, results and conclusions in oral, written, poster and performance formats.

Instructional Methods & Course Activities:

Course Meetings Meetings with the instructor will be held on an ad hoc basis throughout the semester. At the start of the semester, the URSA course instructor will establish contact with the student and the mentor to determine the need for safety and other training. This contact will be

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Project Report Each semester a final report, written according to the format of a manuscript to be submitted to a research journal or the discipline-specific equivalent, is required. Early in the semester the student and mentor should decide on an appropriate format. Midway through the semester the student should begin writing the report. A rubric for the final report is included at the end of this syllabus. Copies of the report are to be submitted to both the project mentor and the URSA instructor no later than 5 PM on the last day of final exams for the semester. Reports must be well-written, comprehensive and contain appropriate citations. Although oral presentations, poster presentations, and journal article co-authorship are valuable, they do not substitute for the student writing a comprehensive report.

Public Presentation (poster or talk) Enrolled students must present their work as either a poster (at UAF Research Day or other local or regional meeting) or a talk (in a UAF seminar series or course such as URSA492) Early in the semester the student and mentor should decide on an appropriate format and venue for the presentation. Midway through the semester the student should begin creating the poster or talk. For posters, the usual size is 36" x 48", but other sizes may be appropriate if the student will be presenting a poster at a regional or national conference. A template for the poster and rubrics for posters and talks are included at the end of this syllabus. The template will be provided by email, the image in this syllabus is for your reference only.

Course Calendar:

Course week	Course Topic	Course Assignment
1	Research at UAF: opportunities and requirements for participation	
2	How to prepare a Project Report and Poster	
3	Individual research	Project Identification Form
4	Individual research	
5	Individual research	
6	Individual research	
7	Individual research	
8	Individual research	
9	Individual research	
10	Individual research	
11	Individual research	
12	Individual research	
13	Individual research	
14	Individual research, poster preparation	
15	Poster Symposium or Seminar talk	Project Poster or Talk

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Finals week		Project Report
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Course Policies:

Safety All research students must complete safety training. This may involve several online training presentations (with quizzes that you must pass). Contact your department's Safety Coordinator to arrange for training before beginning your project.

Safety Tips While Safety Coordinators will provide a thorough review of safety issues, and you will hopefully have gained safety knowledge in previous courses, here we emphasize several important points. Project work must be carried out with all due caution. Do not work alone. Wear safety gear as suggested. Do not rush. Do not attempt a procedure without the necessary training. Familiarize yourself with the potential hazards of materials you are using. Use common sense. This is a learning experience, so do not be bashful about asking for assistance.

Attendance In consultation with your mentor, establish a regular schedule of attendance in the mentor's work area (studio, laboratory, etc.). You may also be asked to attend a regular research meetings with your mentor and other students held weekly or periodically during the semester. Regular attendance is required. You are expected to attend all classes. Classes will be held during the first two weeks of the semester. The purpose of these classes is to assist students in identifying research mentors and insure each student completes any training required for research participation in their chosen discipline.

If you are required to participate in: military; UAF-sponsored activities; or documented, necessary participation in cultural activities that will cause you to miss a class, you must notify me as soon as possible. You must notify me of all scheduled UAF-required absences for the semester (e.g. athletic events) during the first week of classes.

Research Hours The total number of hours spent working on the project (both time in and away from your mentor's workplace, doing background reading, data production and analysis, creation, practice, performance or poster and report preparation will vary between students and projects. Spend all the time necessary to complete the proposed project and facilitate the poster and report presentation required at the end of the semester. The number of credits assigned for each student's URSA 488 course is determined by the project. As a rough guide, students should spend an average minimum of 3 hours per week per credit.

Plagiarism/Academic Integrity Plagiarism and cheating are serious offenses and may result in failure on exams, papers, projects, or courses. The entire purpose of participation in this class is to acquire useful skills through learning. To submit another person's work as your own is to lose the opportunity to learn these skills.

Honesty is a primary responsibility of you and every other UAF student. The following are common guidelines regarding academic integrity:

1. Students will not collaborate on any quizzes, in-class exams, or take-home exams that contribute to their grade in a course, unless specific permission has been granted. No materials may be used to assist in quizzes and examinations without specific permission.

2. Students will not represent the work of others as their own. A student will attribute the source of information not original with himself

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materials. I will work with the Office of Disabilities Services to provide reasonable accommodation to rural students with disabilities. Please contact me or The Office of Disability Services if you require special assistance.

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URSA 488 Undergraduate Research and Creative Scholarship II
Project Identification Form

Return this page to Dr Taylor by email or to the URSA Office Room 301 Bunnell Building by the 2nd Monday of the semester.

Student name:

UAF email address:

I agree to serve as project mentor for the above student. A description of the proposed research, along with a statement of possible hazards associated with the project, is attached.

Mentor Name (print):

Date:

Mentor Signature:

Number of Credit hours:

The primary deliverable of the URSA 388 course is the production of a project proposal, which will be presented in poster and written format.

Working title for the project is:

Brief description of proposed project (Including identification of subject area and overview of planned techniques and/or procedures and materials, with descriptions of potentially hazardous procedures or materials):

Lead-in literature reference(s):

URSA 488 Undergraduate Research and Creative Scholarship II Poster Template



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URSA 488 Undergraduate Research and Creative Scholarship II
Rubric for URSA 488 Poster Presentation

Yes

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URSA 488 Undergraduate Research and Creative Scholarship II