FORMAT 1

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).

See http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/ for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department			
		Phone	**474-7027**
Email Contact	**kevin.winker@alaska.edu**	**Faculty Contact**	**Kevin Winker**

1. ACTION DESIRED (CHECK ONE):	Trial Course	¥	New Course		
2. COURSE IDENTIFICATION**:**	Course Code	**MRAP**	Course #	**288**	No. of Credits	**1-4**

Justify upper/lower division status & number of credits	This course offers opportunities for student research in advanced topics beyond typical undergraduate course offerings. Discipline-specific knowledge or experience equivalent to Freshman or Sophomore standing is assumed. These expectations justify this course as lower division. Enrolled students are required to actively participate in research and scholarship with a faculty mentor and in some cases with professional staff as well. In addition to performing object- and data-specific exercises, they will turn in a final report that summarizes their work. Research and scholarship areas range across an array of museum-based disciplines. Credits (1 or 2) are assigned at the beginning of the semester when students enroll. The number of credits taken in a semester are directly related to the number of hours the student commits to the course. Eight credits of 288 would be acquired by students who enroll in the course in multiple semesters, and instructors would ensure that each experience was unique. Each credit corresponds to an average weekly minimum of 3 hours working productively in the collection or laboratory plus 1-2 hours of additional work on the project (e.g., planning, interpretation, notebook and report writing, background reading).

3. PROPOSED COURSE TITLE:	Museum Research Apprentice I				
4. To be CROSS LISTED? YES/NO	No	If yes, Dept:		Course #	

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

5. To be STACKED? YES/NO	No	If yes, Dept.		Course #	

8. COURSE FORMAT:

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

COURSE FORMAT (check all that apply)		1		2		3		4		5	¥	6 weeks to full semester

OTHER FORMAT (specify)

RESTRICTIONS ON ENROLLMENT (if any)

14. PREREQUISITES	Instructor permission (students must contact a potential mentor before enrolling to determine whether matching opportunities exist).

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

15. SPECIAL RESTRICTIONS, CONDITIONS	none
16. PROPOSED COURSE FEES	$0
Has a memo been submitted through your dean to the Provost for fee approval? **Yes/No**	

17. PREVIOUS HISTORY

Has the course been offered as special topics or trial course previously? **Yes/No**	Yes
If yes, give semester, year, course #, etc	Spring 2012

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 item needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

Providing opportunities for undergraduate research is a high-impact educational practice. In the current economic climate and in the face of rising tuition costs, such high-impact practices are essential for successful recruiting and for student retention. It was through recognition of this that the UAF Chancellor and Provost created URSA. The mission of URSA is to support, develop, and institutionalize a broad-based, robust program of undergraduate research and creative scholarship. The Museum Research Apprenticeship program (MRAP) encompasses one potential rib of this umbrella mission within a unique interdisciplinary unit on campus, offering students the opportunity to improve skills in research-related activities and communication, while engendering a culture of life-long learning among all students, and enhancing the education and training of students who will fill the needs of Alaska's workforce and society. URSA is UAF's resource for the development and promotion of experiential learning activities that engage undergraduate students to support UAF's goal to become a leading student-focused research university. MRAP has existed this into the university's research museum, increasing opportunities for student training in areas relatively few students have had access to before. Building on existing efforts and capacities, MRAP 488 enables UAF students to pursue varying aspects and levels of museum-based research, from a single credit of first-year enrollment to four credits across up to four semesters, enabling exploration of breadth or depth in multiple disciplines. These opportunities will have a preparatory benefit and will help develop and improve critical thinking, processing, and data-associated skills, which are tasks essential for success in any field. For those students who aspire to post-graduate research positions, this opportunity to develop research skills will be particularly beneficial.

APPROVALS: Add additional signature lines as needed. See next page for signatures.

	Date		
Signature, Chair, Program/Department of:			
	Date		
Signature, Chair, College/School Curriculum Council for:			
	Date		
Signature, Dean, College/School of:			
	Date		
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

	Date	

Signature, Chair
Faculty Senate Review Committee: ___Curriculum Review ___GAAC

___Core Review ___SADAC

JUSTIFICATION FOR ACTION REQUESTED

[redacted]

Trial COURSE or New Course - FORMAT 1

PRELIMINARY SYLLABUS

MRAP 288 Museum Research Apprenticeship I Spring 2012
1 or 2 credits (3 or 6 hrs/week, Pass/Fail)

Prerequisites: Permission of instructor (see areas of current opportunities below). Some apprenticeship opportunities may include preferred prior experience. Students must contact one or more of the faculty members listed below and apply for consideration to be included; opportunities and space are both limited. Areas presently offering opportunities and contact information to request instructor permission:

Birds (Kevin Winker, kevin.winker@alaska.edu)
Mammals (Link Olson, leolson@alaska.edu)
Plants (Stefanie Ickert-Bond, smickertbond@alaska.edu)
Insects (Derek Sikes, dssikes@alaska.edu)
Earth Science (Patrick Druckenmiller, psdruckenmiller@alaska.edu)
Fishes (Andres Lopez, jalopez2@alaska.edu)
Archaeology (Jeff Rasic, Jeff_Rasic@nps.gov)
Ethnology/History (Angela Linn, ajlinn@alaska.edu)
Fine Art (Mareca Guthrie, mrguthrie@alaska.edu)

Location: University of Alaska Museum of the North; specific rooms to be determined.

Meeting times: Flexible, depending on apprenticeship opportunities.

Instructors: Co-taught by UAM faculty curators, who may include Kevin Winker (kevin.winker@alaska.edu), Link Olson (leolson@alaska.edu), Stefanie Ickert-Bond (smickertbond@alaska.edu), Derek Sikes (dssikes@alaska.edu), Patrick Druckenmiller (psdruckenmiller@alaska.edu), Andres Lopez (jalopez2@alaska.edu), and/or Mareca Guthrie (mrguthrie@alaska.edu).

Readings/materials: None required overall, but some apprenticeship opportunities will require lab safety training and/or opportunity-specific readings (e.g., preparation or protocol literature). Read and sign appropriate safety and museum security documents, which will be provided to the student.

Course description: This is a once- or twice-weekly laboratory/collections-based course for undergraduate students eager to obtain hands-on training and experi

morphology, distributional patterns, diets, parasite load, molting patterns, and other potential research questions. Other students will learn preventive conservation methods to prepare cultural objects for curation. Students will analyze objects and record data such as measurements, materials, function, typology, and design elements. Students will have the opportunity to research questions about human culture such as prehistoric trade and technology, human environmental interaction, and cultural meanings as reflected in art and artifact. Students will also participate in discovery science and in practical aspects of research resource infrastructure.

A various array of apprenticeship opportunities will be available each semester. Students may repeat the course to improve or expand their knowledge and skills and gain new experiences, and students with these skills are preferred when advanced opportunities such as paid positions and field work arise. Students will gain an understanding of a critical aspect of museum science (e.g., preparing skins or skeletons, fluid-preserved specimens, botanical specimens, tissue samples, studying or documenting and cataloguing archaeological, ethnological, and art objects, etc.). They will also learn the importance of accurately recording detailed data associated with museum specimens and objects. Such detailed focus on organisms and objects serves as an important complement to the social and natural sciences or to art at multiple levels.

Catalogue description: MRAP 288 (1 or 2 cr; Pass-Fail). Museum Research Apprentice I. Provides opportunities for undergraduate student research or scholarship in museum-based subjects not available in typical undergraduate courses. Students are required to perform research tasks associated with specimens or objects and their associated data and to turn in a final report. Opportunities range across several museum-based disciplines. Opportunities range across several museum-based disciplines (archaeology, botany, earth science, entomology, geology & history, film, fine art, ichthyology, mammalogy, informal science education, and ornithology). This course may be repeated.

Course goals: Students will attain proficiency in aspects of museum science associated with specimens, objects, and data.

Student Learning Outcomes: Students will learn, through direct research experience, how discipline-specific specimens, samples, and objects are processed, preserved and how associated knowledge is created, archived, and disseminated. Associated activities may include, but are not limited to: specimen preparation, subsampling, comparative age- and sex-related anatomy, species identification, georeferencing, databasing, labeling/barcoding, DNA/tissue archiving, automontage specimen photography, preventive conservation, and other procedures. The tools, skills, and techniques associated with these activities, which are unique to each discipline, will become familiar, as will the critical thinking skills necessary to effectively and safely use them. Writing skills will also be developed through recording data, weekly note-taking, and a final report.

Instructional methods: Will vary somewhat with instructor and discipline but will be mostly one-on-one or small group laboratory and/or collections practicum. Brief lectures may also be given in some discipline

Grading: This course is crip4-.0004 Tc t1 Tf Tj -9.6plinec TcN.lc .0001 y and/or collabehs0004 Tw uj Tora

with appropriate caution. Wear safety gear as required. Do not rush. Do not attempt a procedure without the necessary training. Familiarize yourself with potential hazards of materials you are using. Use common sense. This is a learning experience, so do not be shy about asking for assistance. BE SURE THAT YOUR WORKSPACE IS CLEAN UPON LEAVING. Per academic policy, plagiarism and cheating are serious offenses and may result in failure. The purpose of participation in this course 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. Withdrawals: Students are expected to formally withdraw from the course if they cannot complete it; they will not be automatically withdrawn by the instructor or their research mentor if they do not attend or fall behind. Students who do not successfully complete the class and do not withdraw will receive a grade of "F".

Course calendar: This is an outline; discipline-specific activities may vary.

Course week	Course Topic	Course Assignment
1	Introduction to disciplines and activities; lab safety; initiate individual research	

principles of the Code are designed to facilitate communication, foster academic integrity, and defend freedoms of inquiry, discussion, and expression among members of the university community. You should become familiar with campus policies and regulations as published in the student handbook.

UAF requires students to conduct themselves honestly and responsibly, and to respect the rights of others. Conduct that unreasonably interferes with the learning environment or that violates the rights of others is prohibited. Students and student organizations will be responsible for ensuring that they and their guests comply with the Code while on property owned or controlled by the university or at activities authorized by the university.

Disciplinary action may be initiated by the university and disciplinary sanctions imposed against any student or student organization found responsible for committing, attempting to commit, or intentionally assisting in the commission of any of the following prohibited forms of conduct:
A. cheating, plagiarism, or other forms of academic dishonesty;
B. forgery, falsification, alteration, or misuse of documents, funds, or property;
C. damage or destruction of property;
D. theft of property or services;
E. harassment;
F. endangerment, assault, or infliction of physical harm;
G. disruptive or obstructive actions;
H. misuse of firearms, explosives, weapons, dangerous devices, or dangerous chemicals;
I. failure to comply with university directives;
J. misuse of alcohol or other intoxicants or drugs;
K. violation of published university policies, regulations, rules, or procedures; or
L. any other actions that result in unreasonable interference with the learning environment or the rights of others.

This list is not intended to define prohibited conduct in exhaustive terms, but rather to set forth examples to serve as guidelines for acceptable and unacceptable behavior.

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 or exams that will contribute to their grade in a course unless permission is granted by the instructor of the course. Only those materials permitted by the instructor may be used to assist in quizzes and exams.
2. Students will not represent the work of others as their own. A student will attribute the source of information not original with himself or herself (direct quotes or paraphrases) in compositions, theses and other reports.
3. No work submitted for one course may be submitted for credit in another course without the explicit approval of both instructors.

Alleged violations of the Code of Conduct will be reviewed in accordance with procedures specified in regent's policy, university regulations and UAF rules and procedures. For additional information and deta about the Student Code of Conduct, contact the Dean of Student Services or web www.alaska.edu/bor/ or refer to the student handbook that is printed in the back of the class schedule for each semester. Student are encouraged to review the entire code.

Trial COURSE or New Course - FORMAT 1

A Few Words on Plagiarism: In general, DO NOT present someone else's ideas or data as your own: you are expected and required to give credit where credit is due. Plagiarism is a violation of the law and may lead to serious repercussions! Please follow the following guidelines: for any written assignments, if you use someone else's ideas, data, or other information, write it in your own words and include the reference in parentheses directly following that information. Avoid copying someone else's text. If, however, you feel you have to include an exact copy of that text, put it in quotation marks followed by the reference in parentheses. Of course, include all cited references in the Literature Cited section. During oral presentations, please acknowledge the sources by naming their author(s) and year of publication or by printing them on overheads, slides, or handouts. Be aware that you need to cite earlier work by yourself. Any substantial use of any written or other materials that was used for another course or that was generated in any other circumstances will not be accepted for credit in this course. Only minor contributions from earlier work with appropriate citation(s) will be accepted.

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. We will work with the Office of Disabilities Services (208