

**FORMAT 1**

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**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

**RESTRICTIONS ON ENROLLMENT (if any)**

**14. PREREQUISITES**

Instructor permission (students must contact a potential mentor before enrolling to determine whether experience is sufficient and matching opportunities exist).

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


See Signatures next page.

**JUSTIFICATION FOR ACTION REQUESTED**

The purpose of the department and course will remain the same.

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**Trial COURSE or New Course - FORMAT 1**

**PRELIMINARY SYLLABUS**

**MRAP 488 Museum Research Apprenticeship II**  
1 or 2 credits (3 or 6 hrs/week, Pass/Fail)

**Fall 2012**

**Prerequisites:** Permission of instructor (see areas of current opportunities below). Apprenticeship opportunities may include preference for prior experience. Students mu

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experience with specimens and objects and their associated data. For example, some students will prepare museum-quality skins, skeletons, and sometimes fluid specimens, or dry mounts following standard procedures. During some of these preparations, students will perform a dissection/necropsy and record observational data in a catalog. They will take measurements, tissue samples, and other parts to preserve as specimens. Students will be encouraged to explore questions about species' morphology, distributional patterns, diets, parasite loads, 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 their knowledge, skills, and mentoring ability and to gain new experiences, and students with these skills and abilities are preferred when advanced opportunities such as paid positions and field work arise. Students will gain increased 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 advance their understanding of 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: MRAD 489 (1 or 2 credits, Pass/Fail). Museum Research Apprentice II. Provides opportunities for advanced undergraduate student research or scholarship in museum-based subjects not available in typical undergraduate courses, building upon prior experience. Students are required to perform advanced research tasks associated with specimens, objects, and associated data and to turn in a final report. Opportunities range across several museum-based disciplines (archaeology, botany, earth science, entomology, ethnology & history, film, fine art, ichthyology, mammalogy, informal science education, and ornithology). This course may be repeated (up to 12 credits).

**Course goals:** Students will deepen their proficiencies in aspects of museum science associated with specimens, objects, and data.

**Student Learning Outcomes:** Students will deepen their learning, through direct research experience, about how discipline-specific speci

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**Course policies:** Students must attend each week for the full hours committed (1 credit = 3 hr/week; 2 credits = 6 hr/week). Missed time must be made up. Coordinate with your instructor. Safety training will be required if you are working in a laboratory. *Safety tips:* safety coordinators will review safety issues, and you will hopefully have some safety knowledge from previous courses. We suggest that any work be carried out with appropriate caution. Wear safety gear as required. 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 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. *Withdrawal:* 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 (if needed); initiate individual research, lesson planning/lecture notes.	
2	Individual research	Begin weekly lab notebook
3	Individual research	Notebook Entries
4	Individual research; discuss progress with supervisor, review notebook, and/or lesson prep.	Notebook Entries
5	Individual research	Notebook Entries
6	Individual research	Notebook Entries
7	Individual research; discuss progress with supervisor, review notebook and/or lesson prep.	Notebook Entries
8	Individual research	Notebook Entries
9	Individual research	Notebook Entries
10	Individual research; discuss progress with supervisor, review notebook, mid-term progress.	Notebook Entries



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**UAF policies:** As a UAF student, you are subject to the Student Code of Conduct (<http://www.uaf.edu/ses/student-resources/conduct/#condu>). In accordance with Board of Regents' Policy 09.02.01, UAF will maintain an academic environment in which the freedom to teach, conduct research, learn, and administer the university is protected. Students will enjoy maximum benefit from this environment by accepting responsibilities commensurate with their role in the academic community. The 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.

