

UNIVERSITY OF ALASKA FAIRBANKS
Student Learning Outcomes Assessment Plan
MA in Marine Science
 College of Fisheries and Ocean Sciences
 3 April 2017

| Expanded Statement of Institutional Purpose | Intended Objectives/Outcomes | Assessment Criteria and Procedures | Implementation (what, when, who) |
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| <p>MISSION STATEMENT: The College of Fisheries and Ocean Sciences supports the needs of Alaska and its communities, the nation and the international community through research and training the next generation of scholars and leaders in the wise use of Alaskan and Arctic aquatic natural resources.</p> <p>GOAL STATEMENT: The MA program in Marine Science will provide graduates with the knowledge base to be competitive for positions in state and federal management agencies, private industry (e.g., natural resource development), and tribal organizations in Alaska and elsewhere. Our goal is to produce professionals with advanced understanding of key concepts in marine biology and oceanography, the skills to effectively communicate with other professionals and laypersons in their chosen field, and the ability to gather, interpret, and synthesize scientific information for application to current issues such as resource management practices.</p> | <p>1. Written communication skills: Students should be able to develop a research paper pertaining to the field of study that presents a well-formulated thesis statement, and evaluates and synthesizes relevant published literature and/or scientific data.</p> | <p>Evaluation by the program head of graduate project or literature review, according to rubric (under development).</p> | <p>Program head will assess all graduate project or literature reviews and score written communication skill level according to a rubric. Program head evaluation forms will be filed in the Academic Programs office. Data will be compiled annually and reviewed by the Outcomes Assessment Committee (OAC).</p> |
| | <p>2. Oral communication skills: Students should be able to deliver an oral or poster presentation in a professional setting, and field questions related to the presentation with confidence</p> | <p>Students will be expected to give at least one public presentation in a professional setting (e.g., symposium or conference). This can include a CFOS seminar, UAF student symposium, or other venue.</p> | <p>Students will be asked, upon completion of the degree, to report on public presentations given. The OAC will compile and evaluate student-reported data on an annual basis.</p> |
| | <p>3. Mastery of core knowledge in marine science</p> | <p>Successful completion of the required coursework with minimum grades according to program requirements</p> <p>Min. standard: 75% of students successfully complete coursework</p> | <p>Rate of successful graduation will be reviewed annually by the OAC.</p> |
| | <p>4. Demonstrated ability to gather, interpret, synthesize, and apply scientific information to current issues</p> | <p>Evaluation by the program head of graduate project or literature review, according to rubric (under development)</p> | <p>Program head will assess all graduate project or literature reviews and score quality of scientific content according to a rubric. Program head evaluation forms will be filed in the Academic Programs office. Data will be compiled annually and</p> |

Submitted by:

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| | | | reviewed by the OAC. |
| | 5. Preparedness for employment in the field of marine science | 80% of graduates seeking employment in marine science or related fields will succeed within one year of graduation. | One year after graduation, graduates will be asked to complete a questionnaire addressing their job search and employment status. OAC will annually review data to evaluate program success. |