

UNIVERSITY OF ALASKA FAIRBANKS
Student Learning Outcomes Assessment Plan
MA in Marine Science
 College of Fisheries and Ocean Sciences
 18 September 2023

Expanded Statement of Institutional Purpose	Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
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. 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 an advanced understanding of key concepts in marine biology and oceanography, the	1. Written communication skills: Students should be able to develop a research project pertaining to the field of study that presents a well-formulated objective, and develops, creates, evaluates, and/or synthesizes relevant published literature, scientific data, educational displays, science communication etc.	Marine Biology faculty will review project descriptions as part of the capstone (MBI 606 Marine Studies Capstone Project Seminar) and score each independently using grading rubrics developed as part of MBI 606.	Marine Biology faculty will review and assess all graduate projects and score written communication skill level. Grading rubrics and evaluation forms will be filed in the Academic Programs office. Data will be compiled annually and reviewed by the Outcomes Assessment Committee (OAC).
	2. Oral communication skills: Students should be able to deliver an oral presentation of their project in a collegial, public, and/or professional setting, and field questions related to their presentation with confidence	Students will present their work as part of the capstone seminar (MBI 606 Marine Studies Capstone Project Seminar). Marine Biology faculty will review project presentations and score each independently using grading rubrics developed as part of MBI 606. Students are highly encouraged to present their project in other settings, e.g., scientific conference, tribal council meetings	Marine Biology faculty will review and assess all graduate presentations and score oral communication skill level. Grading rubrics and evaluation forms will be filed in the Academic Programs office. Students will be asked, upon completion of the degree, to report on additional public presentations given. The OAC will compile and evaluate student-reported data on an annual basis.

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.		workshops, community gatherings, etc.	
	3. Mastery of core knowledge in marine science	Successful completion of the required coursework with minimum grades according to program requirements Min. standard: 75% of students successfully complete coursework	Successful completion (i.e., passing grades) of required coursework by students will be reviewed annually by the OAC.
	4. Demonstrated ability to gather, interpret, synthesize, and apply scientific information to current issues	Evaluation by the Marine Biology faculty and as part of the capstone (MBI 606 Marine Studies Capstone Project Seminar). Marine Biology faculty will review the quality of project descriptions and the final product and score each independently using grading rubrics developed as part of MBI 606.	Marine Biology faculty will review and assess all graduate project descriptions and the final product. Grading rubrics and evaluation forms will be filed in the Academic Programs office. Data will be compiled annually and reviewed by OAC.