

UNIVERSITY OF ALASKA FAIRBANKS
Student Learning Outcomes Assessment Plan
B.S. Fisheries and Marine Science
 College of Fisheries and Ocean Sciences
 DRAFT AY25-26

Expanded Statement of Institutional Purpose	Intended Objectives & Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
CFOS MISSION: 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. CFOS VISION: As one of the largest combined research and academic organizations in the University of Alaska system in terms of personnel and budget, and one of the most diverse colleges in both geographic reach and academic mission, we seek to be a: -World-class ocean and inland aquatic research and educational organization, recognized as such by peers in the academic community and funding agencies. -Primary source of knowledge, operational expertise, and basic and applied research to manage freshwater, estuarine and ocean resources in Alaska, including the Arctic. -Source of well-trained and highly motivated graduates to staff organizations and agencies, in particular those in Alaska responsible for management of Alaskan and Arctic waters and their renewable resources. -College of choice for faculty and students with interest in waters off Alaska, including the Arctic, and their renewable resources. -Trusted steward of state and national research and educational facilities.	Enhance skills in scientific reasoning, critical and cross-cultural thinking, problem-solving, and oral and written communication	Assess student improvement of skills in scientific reasoning, critical and cross-cultural thinking, problem-solving, and oral and written communication during required coursework (FISH, MBI and OCN courses at the 100-400 level). Goal: majority of students show progress in these areas during their degree. Goal: all graduating students will meet or exceed expected skills for entry-level scientific positions in fisheries and/or marine sciences, or for entry into graduate school.	Courses: OCN F303 and other required FISH, MBI, OCN 100-400 level courses. Artifacts: a) Assessment of skills at completion of required courses by faculty teaching the courses. b) Mentor evaluation form for FISH F390 at completion of course and assessment by faculty teaching FISH F390. c) Successful completion of OCN F303, capstone course or thesis. Assessment by faculty teaching these courses and/or thesis mentor. d) Annual assessment rubric of graduating students by faculty
	Demonstrate core knowledge in fishery science, and/or marine sciences (i.e., marine biology or oceanography), and demonstrate ability to identify and analyze current issues in Alaska waters and beyond.	Assessment during required courses of knowledge of core concepts in fishery science, and/or marine sciences, and ability to identify and analyze current issues in Alaska waters and beyond. Goal: majority of students show progress during their degree. Goal: all graduating students will meet or exceed expected scientific understanding for entry-level scientific positions in fisheries and/or marine sciences, or for entry into graduate school.	Courses: required FISH, MBI, OCN 100-400 level courses. Artifacts: a) Assessment of knowledge and its application at completion of required courses by faculty teaching the courses. b) Successful completion of capstone course or thesis, assessment by capstone course faculty or thesis mentor. c) Annual assessment rubric of graduating students by faculty
	Acquire and improve transferable skills through coursework, experiential learning, and mentorship.	Assessment of skills upon completion of experiential learning, field courses or thesis work Goal: all graduating students will meet or exceed expected skills for entry-level scientific positions in fisheries and/or marine sciences or for entry into graduate school	Courses: FISH 315, FISH 390, FISH 414, FISH 498 and 499, MBI 220, MBI 423, MBI 450, MBI 456, MBI 499, OCN 425, OCN 499 Artifacts: a) Assessment of skills at completion of field courses by faculty teaching the courses. b) Mentor evaluation form for FISH F390 at completion of course and assessment by faculty teaching FISH F390. c) Successful completion of thesis, assessment by mentor.

Submitted by: