

UNIVERSITY OF ALASKA FAIRBANKS
 Student Learning Outcomes Assessment Plan
BS (Geological Engineering)
 College of Engineering and Mines
 May 2014

Expanded Statement of Institutional Purpose	Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
<p>MISSION STATEMENT:</p> <p>To advance and disseminate knowledge related to mineral and energy exploration, evaluation, development and production; engineering site selection, construction and construction material production; and groundwater and geo-environmental engineering including geologic hazards assessment, through creative teaching, research and public service with an emphasis on Alaska, the North and its diverse peoples.</p> <p>GOAL STATEMENT:</p> <ul style="list-style-type: none"> • Graduates will be employed in one of the following professional areas: mineral and energy exploration and development; geotechnical engineering; groundwater engineering; or geo-environmental engineering. • Graduates will possess technical knowledge required to meet the unique challenges of geological engineering problems germane to cold regions, especially Alaska. • Graduates will pursue life-long learning through continuing education opportunities, professional registration/certification, and/or graduate studies. 	<p>Meet Student Learning Outcomes as defined for ABET accreditation (12 learning outcomes).</p>	<ul style="list-style-type: none"> a. Assessment of individual courses b. Program Review by Faculty c. Student survey d. Exit Interview of Graduates 	<ul style="list-style-type: none"> a. Learning outcomes for individual courses are assessed every semester by individual faculty members. b. Program Faculty reviews the program progressively and assesses the outcomes annually to arrive at an action plan for improvement if needed. c. Students are surveyed for course & program assessment as needed. d. Exit interviews are conducted for graduating seniors.
	<p>Meet Program Goals as set.</p>	<ul style="list-style-type: none"> • Overall Program Assessment • Placement • Alumni Survey • Employer Survey • Industrial Advisory Board 	<ul style="list-style-type: none"> • Action plans are developed for continuous improvement, as needed, based on annual assessments of the courses and the program in its entirety. • Department monitors placement of graduates. • Alumni & employer surveys are done once every few years. • Program advisory board meets, at least, once a year.