University of Alaska Fairbanks
College of Engineering and Mines
Department of Mining and Geological Engineering
Academic Year 2012-13

Student Learning Outcomes Assessment Plan for MS MPR

Date: Revised September 14, 2012

Degree Program: Master of Science in Mineral Preparation Engineering

Mission: The graduate program in Mineral Preparation Engineering shall provide quality education based on the needs of individual students and the mission statement of the Mineral Industry Research Laboratory (attached).

Goal: To assure that graduates are adequately prepared to succeed in the job market for Mineral Preparation Engineering, or a closely related field, and that student research supports and contributes to Alaska's mineral industry.

INTENDED OUTCOMES/OBJECTIVES	ASSESSMENT CRITERIA	IMPLEMENTATION PROCEDURES (what, when, who)
(1) Students will display effective written and oral communication skills for use in mineral preparation engineering.	**Entry level**: GRE verbal score and/or TOEFL score.	**Entry level**: Department administrative assistant prepares synopsis of scores from student application files.
	Exit level: Theses or project reports are written and presented.	**Exit level**: Assessment of theses or project reports are reviewed by graduate student committee. Assessment organized by chair of the committee

Papers may be published.

INTENDED OUTCOMES/OBJECTIVES	ASSESSMENT CRITERIA	IMPLEMENTATION PROCEDURES (what, when, who)
(2) Students will develop technical skills and ability to analyze and solve conceptual problems in mineral preparation engineering.	**Entry level**: Previous publications. **Exit level**: (a) Completion of theses or project reports. (b) Publication of research papers. (c) Student satisfaction with educational skills obtained.	**Entry level**: Department administrative assistant collects previous publications by students. **Exit level**: (a) Assessment of theses or project reports is reviewed by graduate student committee. Assessment organized by chair of the committee (b) Publications collected by department administrative assistant.