# MINERAL PREPARATION ENGINEERING (MPR)

**College of Engineering and Mines**  
Department of Mining and Mineral Engineering (https://www.uaf.edu/cem/programs/mining-engineering/)  
907-474-7388

**MPR F606 Plant Design**  
3 Credits  
Offered As Demand Warrants  
Selection and design of equipment for the operation of mineral and coal beneficiation plants for specific custom and milling problems.  
**Prerequisites:** Admission by arrangement.  
**Lecture + Lab + Other:** 1 + 6 + 0  
**Grading System:** Letter Grades with option of Plus/Minus

**MPR F611 Hydrometallurgy**  
3 Credits  
Offered As Demand Warrants  
Study of the theoretical and engineering aspects of the processes to recover metals from different types of ores and/or scraps, in which aqueous solutions play the predominate role.  
**Prerequisites:** MATH F253X; CHEM F331.  
**Lecture + Lab + Other:** 3 + 0 + 0  
**Grading System:** Letter Grades with option of Plus/Minus

**MPR F688 Graduate Seminar I**  
1 Credit  
Offered As Demand Warrants  
Preparation and presentation of research outlines by graduate students and participation in regularly organized mineral engineering department seminars.  
**Prerequisites:** Admission to graduate program.  
**Cross-listed with MIN F688.**  
**Lecture + Lab + Other:** 1 + 0 + 0  
**Grading System:** Letter Grades with option of Plus/Minus

**MPR F698 Non-thesis Research/Project**  
1-9 Credits  
**Lecture + Lab + Other:** 1-9 + 0 + 0  
**Grading System:** Pass/Fail Grades  
**Repeatable for Credit:** May be taken unlimited times for up to 99 credits

**MPR F699 Thesis**  
1-9 Credits  
**Lecture + Lab + Other:** 0 + 0 + 0  
**Grading System:** Pass/Fail Grades  
**Repeatable for Credit:** May be taken unlimited times for up to 99 credits