

# Mineral Preparation Engineering (MPR)

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## 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