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