MINING (MNG)

MNG 512: Valuation of Mineral Properties and Mining Projects

3 Credits

This course will prepare the students with tools to evaluate mineral resources and mining projects from industrial perspectives. Students are expected to possess basic understanding of geostatistics, economic and accounting principles, and the mining industry in general. This course will provide additional insight in geostatistical methods and the economic and financial decision-making process. Case studies will examine recent major global exploration undertakings to reinforce key concepts.

RECOMMENDED PREPARATIONS: Students are expected to possess basic understanding of geostatistics, economic and accounting principles, and the mining industry in general, as covered in MNG 412, EME 460, or equivalent.

MNG 541: Surface Mine Equipment Selection Analysis

3 Credits

Design analysis and selection criteria for principal surface mine equipment, their interaction in operation, and auxiliary equipment requirements.

Prerequisite: C E 360 , MNG 441

MNG 554: Rock Mechanics Design

3 Credits

Engineering design process; design of mines, tunnels, slopes, and underground chambers; guided design concept; creativity and innovation; group design project.

Prerequisite: MNG 543

MNG 596: Individual Studies

1-9 Credits/Maximum of 9

Creative projects, including nonthesis research, which are supervised on an individual basis and which fall outside the scope of formal courses.

MNG 597: Special Topics

1-9 Credits/Maximum of 9

Formal courses given on a topical or special interest subject which may be offered infrequently; several different topics may be taught in one year or term.

MNG 597A: **SPECIAL TOPICS**

6.00 Credits

MNG 598: Special Topics

1-9 Credits/Maximum of 9

Formal courses given on a topical or special interest subject which may be offered infrequently; several different topics may be taught in one year or semester.

MNG 600: Thesis Research

1-15 Credits/Maximum of 999

No description.

MNG 601: Ph.D. Dissertation Full-Time

0 Credits/Maximum of 999

No description.