

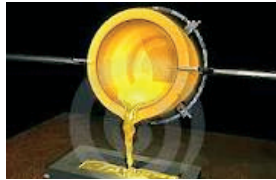
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University of Nevada, Reno Mackay School of Earth Sciences and Engineering, Department of Mining Engineering



Spring 2013 Online Courses for the Mining Industry

Extended Studies at the University of Nevada, Reno collaborates with the Mackay School of Earth Sciences and Engineering to offer online undergraduate and graduate courses that serve the mining industry in Nevada and around the world.



MINE 322 Mineral Processing I

3 undergraduate credits

The principles and practices of mineral preparation and concentration.

Prerequisites: CHEM 121 General Chemistry I and MATH 128 Precalculus and Trigonometry, or higher, for letter grade or S/U (pass/fail).

When: WebCampus: Jan. 22-May 15, 2013

Weekly lectures open online. All participation is asynchronous.

MINE 324 Mineral Processing Lab

1 undergraduate credit

The tools required to write laboratory scopes (procedures/objectives/abstracts) for analysis of ores. Must have access to metallurgical testing lab with mentor to oversee lab testing. Corequisite: MINE 322 Mineral Processing I

When: WebCampus: Jan. 22-May 15, 2013

MET 410/MINE 695 Pyrometallurgy (MSE 410/695)

3 undergraduate or 3 graduate credits

Quantitative and descriptive treatment of unit processes used in pyrometallurgy as well as fundamentals of smelting, melting and refining of metals by high-temperature methods. Prerequisites: CHE 361 Chemical Engineering Thermodynamics, and MSE 232 Principles of Metallurgical Engineering, or consent of instructor.

When: WebCampus: Jan. 22-May 15, 2013

Weekly lectures open online. All participation is asynchronous.

MET 423/(Graduate TBA) Comminution

3 graduate credits

Understanding the processes of sampling, liberation, size reduction with unit process selection. Prerequisite: MINE 322

When: WebCampus (+ classroom TBA): Jan. 22-May 15, 2013

Weekly lectures open online (day TBA), noon PST.
All participation is asynchronous.

MINE 702 R Advanced Mining Engineering: Qualified Person Studies

3 graduate credits

Understanding of what a qualified person is and does in the mining industry, including study of laws and practices of qualified persons in the U.S. and Canada. Prerequisite: Graduate status.

When: WebCampus: Jan. 22-May 15, 2013

Weekly lectures open online. All participation is asynchronous.

MINE 702 W Advanced Mining Engineering: Environmental Chemistry of Metals

3 graduate credits

Technical skills in treating water contaminated by dissolved metals, including in-depth review of chemistry of metals and metal precipitates and current practices in various industries to eliminate metal waste from effluent streams.

When: WebCampus: Jan. 22-May 15, 2013

Weekly lectures open online. All participation is asynchronous.

Course Requirements

Students outside Reno, Nevada, will participate in these online courses using UNR's WebCampus (<https://wcl.unr.edu>) to access the following resources: (a) weekly taped lectures; and (b) additional instructional materials including videos, problem-solving demonstrations and written materials. Students will work together in e-groups to solve problems and for the course design project. Exams will require an approved on-site proctor nominated by the student(s).

Participation in courses requires high-speed Internet access, an email address, and may require Wimba Live Classroom set up on the computer you plan to use for instructor office hours (to run the setup wizard, visit: <http://vcrp.wimba.com>); headphones or speakers are recommended.

Instructors

Course instructors from the University of Nevada, Reno are Thom Seal, Ph.D., P.E., Barrick Professor of Mining Engineering; and Carl Nesbitt, Ph.D., Goldcorp Chair of Mineral Engineering.

Fees per Course

Fees are subject to change per the Board of Regents.

Undergraduate, one credit: \$171.00 + \$42.50 Engineering Differential + \$32.50 UNR surcharge

Undergraduate, three credits: \$513.00 + \$127.50 Engineering Differential + \$97.50 UNR surcharge
Plus: \$256.50 for Non-Nevada Residents

Graduate, three credits: \$718.50 + \$150.00 Engineering Differential + \$94.50 surcharge
Plus: \$359.25 for Non-Nevada Residents

Textbooks will be shipped: \$90.00 (MINE 322); contact Shannon Glover at Extended Studies, swoblewski@unr.edu

Application (if applicable): All students must pay a \$60 University of Nevada, Reno application fee, if not previously paid.

Auditing: All courses may be audited for the same fees.

Register Online!

- To register for each course, visit mynevada.unr.edu and follow instructions for access.
- To review the course syllabus, visit www.ucan.unr.edu.

Course Grades

Course grades for academic credit courses are posted to transcripts at the end of each semester (late May 2013). Please plan accordingly. To order an unofficial transcript, visit mynevada.unr.edu, or visit www.unr.edu/academic-central/forms-and-policies/forms/transcripts for more information.

To register online, visit mynevada.unr.edu. For course syllabi, visit www.ucan.unr.edu.

Course questions? Email Dr. Seal, tseal@unr.edu or Dr. Nesbitt, carln@unr.edu.

Registration assistance? Call Extended Studies at the University of Nevada, Reno at (775) 784-4062 or 1-800-233-8928, or email swoblewski@unr.edu.