

Submit originals and one copy and electronic copy to Governance/Faculty Senate Office (email electronic copy to fysenat@uaf.edu)

**PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)**

**SUBMITTED BY:**

Department	Mining and Geological Engg	College/School	CEM
Prepared by	Rajive Ganguli	Phone	7212
Email Contact	rganguli@alaska.edu	Faculty Contact	Rajive Ganguli

See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules governing curriculum & course changes.

**PROGRAM IDENTIFICATION:**

DEGREE PROGRAM	Minor in Mining Engineering
Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)	BS

**A. CHANGE IN DEGREE REQUIREMENTS: (Brief statement of program/degree changes and objectives)**

Course list for the minor modified

**B. CURRENT REQUIREMENTS AS IT APPEARS IN THE CATALOG: Page 178 Catalog**

1. Complete 15 credits from the following:\*
    - MIN F301—Mine Plant Design.....3
    - MIN F313—Introduction to Mineral Preparation.....3
    - MIN F370—Rock Mechanics.....3
    - MIN F407W—Mine Reclamation and Environmental Management.....2
    - MIN F409—Operations Research/Computer Applications.....3
    - MIN F370—Rock Mechanics.....3
    - MIN F407W—Mine Reclamation and Environmental Management.....2
    - MIN F408O—Mineral Valuation and Economics.....3
    - MIN F409—Operations Research/Computer Applications.....3
    - MIN F443—Principles and Applications of Industrial Explosives.....3
    - MIN F482—Computer-Aided Mine Design.....3
    - Advisor approved mining elective.....1
  2. Minimum credits required.....15
- \*Students must earn a C grade or better in each course.

**C. PROPOSED REQUIREMENTS AS IT WILL APPEAR IN THE CATALOG WITH THESE CHANGES:**  
 (Underline new wording ~~strike through old wording~~ and use complete catalog format )

1. Complete 15 credits from the following:\*

MIN F301 — Mine Plant Design.....	3
MIN F313 — Introduction to Mineral Preparation.....	3
MIN F370 — Rock Mechanics.....	3
MIN F407W — Mine Reclamation and Environmental Management.....	2
MIN F409 — Operations Research/Computer Applications.....	3
MIN F370 — Rock Mechanics.....	3
MIN F407W — Mine Reclamation and Environmental Management.....	2
MIN F408O — Mineral Valuation and Economics.....	3
MIN F409 — Operations Research/Computer Applications.....	3
MIN F443 — Principles and Applications of Industrial Explosives.....	3
MIN F482 — Computer Aided Mine Design.....	3
Advisor approved mining elective.....	1

2. Minimum credits required.....15  
 \*Students must earn a C grade or better in each course

1. Complete the following:\*

- i. MIN F103 — Introduction to Mining Engineering ..... 1
- ii. MIN F226 — Introduction to Mine Development ..... 2
- iii. Complete twelve MIN credits from the following:

MIN F104 — Mining Safety and Operations Lab .....	1
Electives at 300 or 400 level .....	11 or 12

2. Minimum credits required.....15  
 \*Students must earn a C grade or better in each course.

**D. ESTIMATED IMPACT**

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

None.

**E. IMPACTS ON PROGRAMS/DEPTS:**

What programs/departments will be affected by this proposed action?  
 Include information on the Programs/Departments contacted (e.g., email, memo)

The proposal only impacts our department.

**F. IF MAJOR CHANGE - ASSESSMENT OF THE PROGRAM:**

Description of the student learning outcomes assessment process.)


Not applicable

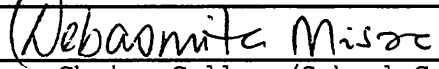
**JUSTIFICATION FOR ACTION REQUESTED**

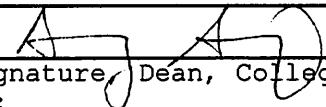
The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you drop a course, is it because the material is covered elsewhere? Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the program is not compromised as a result.

On further scrutiny of the minor by program faculty, it was felt that the Minor would be enhanced by the proposed changes.

**APPROVALS:**

 \_\_\_\_\_ Date **1/18/2011**  
Signature, Chair,  
Program/Department of: \_\_\_\_\_

 \_\_\_\_\_ Date **2/18/11**  
Signature, Chair, College/School Curriculum  
Council for: **CEM**

 \_\_\_\_\_ Date **2/22/11**  
Signature, Dean, College/School  
of: **CEM**

**ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE**

\_\_\_\_\_  
Signature, Chair, UAF Faculty Senate Curriculum  
Review Committee Date \_\_\_\_\_