

**Revised - 11/28/01**

Graduate Council Meeting

3:00 p.m., 11/30/01

Library 212

**Agenda**

1. Approval of [minutes for the 10/26/01 meeting](#)
2. Announcements
  - a. Master of Engineering Management (Anselmo)
  - b. Report on the October Faculty Council Meeting
  - c. Recruitment posters
  - d. Report on the NMT-AGEP Steering Committee Meetings
  - e. Doctoral Mentoring Institute (UNM, 11/9/01)
  - f. GSA announcements (Herrin)
  - g. other
3. Reports
  - a. TA wish list - status
  - b. Evaluation of TA allotments to departments (Johnson)
  - c. other
4. Old Business
  - a. Electronic theses and dissertations (Wilson)
  - b. Institutional status of Post docs (Johnson)
  - c. Proprietary Graduate Research
  - d. Degree completion – Two week deadline (Wilson – Tabled 9/28/01)
  - e. other
5. New Business
  - a. Program Review
  - b. Catalog Changes
    1. Materials Engineering (Bond – [Attachment A](#))
    2. Chemistry (Pietraß - [Attachment A](#))

## Graduate Council Meeting

November 30, 2001

### Revised Attachment A to the Agenda

#### Proposed changes in catalog for Materials Engineering

OLD:

**MATE 470, Corrosion Phenomena, 3 cr, 3 cl hrs**

*Prerequisite: CHEM 331 or consent of instructor*

~~A general coverage of the wide field of corrosion, with emphasis on elucidating fundamental principles, which govern corrosion, and applying these principles to the resolution of industrial corrosion problems.~~

NEW:

**MATE 470, Corrosion Phenomena, 3 cr, 3 cl hrs**

*Prerequisite: CHEM 122*

Theory of aqueous corrosion (thermodynamics and kinetics); forms of corrosion; corrosion testing and evaluation; designing to minimize corrosion; methods of corrosion prevention; corrosion of specific systems; case studies.

DELETE:

~~**MATE 542, Corrosion Phenomena, 3 cr, 3 cl hrs**~~

~~*Prerequisite: Graduate standing*~~

~~Fundamentals of corrosion (thermodynamics and kinetics); forms of corrosion; corrosion testing and evaluation; designing to minimize corrosion; methods of corrosion prevention; corrosion of specific systems; case studies; preparation and presentation of a corrosion report.~~

**NEW COURSE:**

**MATE 570, Corrosion Phenomena, 3 cr, 3 cl hrs**

*Prerequisite: CHEM 122 and Graduate standing*

Theory of aqueous corrosion (thermodynamics and kinetics); forms of corrosion; corrosion testing and evaluation; designing to minimize corrosion; methods of corrosion prevention; corrosion of specific systems; case studies; preparation and presentation of a corrosion report.

**Explanation:**

The undergraduate and graduate courses "Corrosion Phenomena" are being combined to be the same lecture class, with the graduate students having an additional term paper to prepare. The course descriptions are the same except for the corrosion report. The prerequisite is being reduced from CHEM 331 to CHEM 122 to allow other departments to benefit from the class. Any chemistry needed from CHEM 331 will be introduced in the class.

**Proposed changes in catalog for Chemistry**

New course:

**CHEM 515, Spectrochemical Analysis/Optical Spectroscopy, 3 cr, 3 cl hrs**

*Offered spring semester, odd years*

Recent developments and advances in optical spectroscopic techniques. Applications of atomic absorbance/fluorescence/emission, UV-vis molecular absorbance and luminescence, infrared and Raman spectroscopies.

6. Student Questions/Concerns (Herrin)

7. Adjournment