

**The Ohio State University  
Colleges of the Arts and Sciences New Course Request**

Geological Sciences

Academic Unit

Geological Sciences

Book 3 Listing (e.g., Portuguese)

GS674 Introduction to Applications of Elemental Chemical Analysis and Electron Microscopy in Earth and Environmental Sciences

Number	Title	Graduate	Credit Hours
Intro EI Chem Mic			1
18-Character Title Abbreviation		Level	Credit Hours

Summer      Autumn X      Winter      Spring      Year 2005

Proposed effective date, choose one quarter and put an "X" after it; and fill in the year. See the OAA curriculum manual for deadlines.

**A. Course Offerings Bulletin Information**

Follow the instructions in the OAA curriculum manual. If this is a course with decimal subdivisions, then use one *New Course Request form* for the generic information that will apply to all subdivisions; and use separate forms for each new decimal subdivision, including on each form the information that is unique to that subdivision. If the course offered is less than a quarter or a term, please complete the Flexibly Scheduled/Off Campus/Workshop Request form.

Description (*not to exceed 25 words*): Introduction to instrument facilities and how elemental chemical analysis and electron microscopy data can applied to research in earth and environmental sciences

Quarter offered: Autumn      Distribution of class time/contact hours: ~~10 hours/quarter~~ 1 [hr. c].

Quarter and contact/class time hours information should be omitted from Book 3 publication (yes or no): no

Prerequisite(s): none

Exclusion or limiting clause:

Repeatable to a maximum of 2 credit hours.

Cross-listed with:

Grade Option (Please check): Letter  S/U  Progress  What is course is last in the series? \_\_\_\_\_

Honors Statement: Yes  No       GEC: Yes  No       Admission Condition  
Off-Campus: Yes  No       EM: Yes  No       Course: Yes  No

Other General Course Information:

(e.g. "Taught in English." "Credit does not count toward BSBA degree.")

**B. General Information**

Subject Code 40.0699      Subsidy Level (V, G, T, B, M, D, or P) G

For explanations see the following web sites: [www.ureg.ohio-state.edu/ourweb/srs/srscontent/cip/](http://www.ureg.ohio-state.edu/ourweb/srs/srscontent/cip/) or [www.regents.state.oh.us/hei/ci/STAGE\\_1/sld001.htm](http://www.regents.state.oh.us/hei/ci/STAGE_1/sld001.htm). If you have questions please email Jed Dickhaut at [Jdickhaut@exchange.ureg.ohio-state.edu](mailto:Jdickhaut@exchange.ureg.ohio-state.edu).

1. Provide the rationale for proposing this course:

Provide brief introduction for incoming graduate students to applications of elemental chemical analysis and electron microscopy (equipment available within Geological Sciences) to earth and environmental sciences research so that students are aware of the potential of these capabilities on their research projects.

2. List Major/Minor affected by the creation of this new course. Attach revisions of all affected programs. This course is (check one) Required  Elective  Other (Explain) :

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ASC CURRICULUM

3. Indicate the nature of the program adjustments, new funding, and/or withdrawals that make possible the implementation of this new course.

Not applicable

4. Is the approval of this request contingent upon the approval of other course requests or curricular requests?

Yes  No  List:

5. If this course is part of a sequence, list the number of the other course(s) in the sequence: \_\_\_\_\_


6. Expected section size: 10 Proposed number of sections per year: 1


7. Do you want prerequisites enforced electronically (see OAA manual for what can be enforced)? Yes

8. This course has been discussed with and has the concurrence of the following academic units needing this course or with academic units having directly related interests (List units and attach letters and/or forms):  
Not Applicable

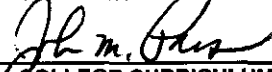
9. Attach a course syllabus that includes a topical outline of the course, student learning outcomes and/or course objectives, off-campus field experience, methods of evaluation, and other items as stated in the OAA curriculum manual.


**Approval Process** The signatures or actions on the lines in ALL CAPS ( e.g. ACADEMIC UNIT) are required.

 W.I. Ausich 5-13-05  
1. Academic Unit Undergraduate Studies Committee Chair Printed Name Date

 E. Scott Bair 6-14-05  
2. Academic Unit Graduate Studies Committee Chair Printed Name Date  
3. ACADEMIC UNIT CHAIR/DIRECTOR Printed Name Date

4. AFTER THE ACADEMIC UNIT CHAIR/DIRECTOR SIGNS THE REQUEST, FORWARD IT TO THE COLLEGES OF THE ARTS AND SCIENCES CURRICULUM OFFICE, 161 DENNEY HALL, 164 WEST 17TH AVENUE. THE ASC CURRICULUM OFFICE WILL FORWARD THE REQUEST TO THE APPROPRIATE COLLEGE CURRICULUM COMMITTEE.

 John Parson 10/21/05  
5. COLLEGE CURRICULUM COMMITTEE Printed Name Date

 Edward Adelson 10-21-05  
6. ARTS AND SCIENCES EXECUTIVE DEAN Printed Name Date

7. Graduate School (if appropriate) Printed Name Date

8. University Honors Center (if appropriate) Printed Name Date

9. Office of International Education (if appropriate) Printed Name Date

10. ACADEMIC AFFAIRS Printed Name Date