

CBM003 ADD/CHANGE FORM

APPROVED FEB 22 2012

Undergraduate Council  
 New Course  Course Change  
 Core Category: NONE Effective Fall 2012

or

Graduate/Professional Studies Council  
 New Course  Course Change  
 Effective Fall 2012

1. Department: Earth and Atmospheric Sciences College: NSM
2. Faculty Contact Person: Xun Jiang Telephone: 713-893-1697 Email: xjiang4@mail.uh.edu
3. Course Information on New/Revised course:
  - Instructional Area / Course Number / Long Course Title:  
GEOL / 4334 / Environmental Data Analysis
  - Instructional Area / Course Number / Short Course Title (30 characters max.)  
GEOL / 4334 / ENVIRONMENTAL DATA ANALYSIS
  - SCH: 3.00 Level: JR CIP Code: 40.0499 Lect Hrs: 2 Lab Hrs: 3

RECEIVED OCT 14 2011

4. Justification for adding/changing course: To provide for new discipline areas
5. Was the proposed/revised course previously offered as a special topics course?  Yes  No  
 If Yes, please complete:
  - Instructional Area / Course Number / Long Course Title:  
      /      /
  - Course ID:        Effective Date (currently active row):

6. Authorized Degree Program(s): BS Environmental Science, Geophysics, Geology
  - Does this course affect major/minor requirements in the College/Department?  Yes  No
  - Does this course affect major/minor requirements in other Colleges/Departments?  Yes  No
  - Can the course be repeated for credit?  Yes  No (if yes, include in course description)

7. Grade Option: Letter (A, B, C ...) Instruction Type: lecture laboratory (Note: Lect/Lab info. must match item 3, above.)

8. If this form involves a change to an existing course, please obtain the following information from the course inventory: Instructional Area / Course Number / Long Course Title  
      /      /      
  - Course ID:        Effective Date (currently active row):

9. Proposed Catalog Description: (If there are no prerequisites, type in "none".)  
 Cr: 3. (2-3). Prerequisites: MATH 2433 and either GEOL 1302 or GEOL 1350 or GEOL 3378 or consent of instructor Description (30 words max.): Physical and mathematical basis of environmental data analysis. Topics include basic concepts of statistics, regression, filtering, and principal component analysis, etc. Credit cannot be applied for GEOL 4334 and 6328

10. Dean's Signature: [Signature] Date: 19 Oct '11  
 Print/Type Name: IAN EVANS