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Course Proposal: Modify Course

This proposal will change the following elements of the course.

**Credit Hours**

1. Course prefix and number: **GOL 435**

2. Effective Term/Year: **FALL 2012**

3. CIP CODE/10 digit program code: **40.0603.00.02 No Change**

4. Short Course Title: **Introduction to Geophysics**

Modified Short Course Title: **Introduction to Geophysics**

5. What is the primary reason you are modifying this course?

**The number of credit hours is being reduced from four to three to better fit the required 120 credit hours and align with other similar courses offered in the Geology Department. This course will now be taught as a required course for geology majors instead of as an elective.**

6. Enter course description exactly as it now appears in the general/graduate bulletin.

**This course will introduce students to the basic theories and methodologies of the main geophysical methods: non seismic methods (gravity, magnetics), seismic methods (reflection, refraction, earthquake seismology), and electrical methods(self potential, induced polarization, DC-resistivity, electromagnetic and ground penetrating radar). This course is will review the benefits and limitations of each geophysical technique. The Lab is designed to stress the applied aspects of these techniques.**

Enter modified course description exactly as it will appear in the general/graduate bulletin?

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7. Current Prerequisites: **No Change**

Modified Course Prerequisites:

8. College: **College of Science and Mathematics**

9. Department Teaching Course: **Geology**

10a. Instruction Type: **Lecture and Lab** **No Change**

10b. Credit Hours:

Current - Maximum: **4** Minimum: **4** Maximum Hours counted toward degree: **4**

Modified- Maximum: **3** Minimum: **3** Maximum Hours counted toward degree: **3**

11a. Second Instruction Type: **ns** **No Change**

11b. Second Credit Hours:

Current - Maximum: Minimum: Maximum Hours counted toward degree:

Modified- Maximum: Minimum: Maximum Hours counted toward degree:

12. Maximum contact hours each week fall semester: **No Change**

Lecture: **3** Lab: **3** Other:

13. May this course be taken more than one time each semester: **No**

14. Grade Type: **Regular: A-F** **No Change**

15. Describe the place of the modified course within your current curriculum. Will it be elective or required?Part of a major or a minor? (Enter NA if no change is being made.)**Introduction to Geophysics (GOL 435) will now be taught as a required course for students majoring in geology.**

16. How does the modified course differ from similar courses being offered at Stephen F. Austin?

(Enter NA if no change is being made.)

**NA**

17. Syllabus: Course Learning Goals

List course objectives; describe what students who complete the course will know or be able to do.

(Enter NA if no change is being made.)

**NA**

18. Syllabus: Course Outline

List the topics that the modified course will cover and indicate the approximate proposed amount of time to be devoted to each, either by percent of course time or number of weeks. Please indicate which topics will be required in all sections of the course and which may vary.

(Enter NA if no change is being made.)

**NA**

19. Syllabus: Modified Textbook/Assigned Reading Materials for course.

**NA**

20. Any Other Information

Dept. Chair \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

College Curriculum Chair \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

College Dean \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grad Dean/Univ Curr Chair \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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