

Office of Academic Affairs  
Tarleton State University  
August 2004  
Master Course Syllabus

**Department:** Chemistry, Geosciences, and Environmental Science  
**Course Prefix/Number:** GEOL 5863  
**Official Course Title:** Geology Problems

Master Syllabus Approved by Department on: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
month date year

**I. Catalog Description**

Independent research under the supervision of an instructor. A formal report will be submitted to the instructor.

**II. Prerequisites**

Prerequisite: Approval of department head. Course prerequisites may be needed depending on the area of research.

**III. Expanded Course Description**

The student will investigate a basic geologic research problem under the direct supervision of a faculty member. The student will be expected to spend time in the laboratory and the library and become familiar with the project background and research techniques appropriate to the project. The student will also be required to present research results in both written and oral formats.

**IV. Intended Student Learning Outcomes**

**Knowledge outcomes**

Upon completion of this course, the student will be able to demonstrate a satisfactory understanding of the principles involved in the specific research project in which he /she was involved and an understanding of the techniques utilized in the investigation.

**Skill outcomes**

The student will be able to demonstrate mastery of geologic research techniques and methods utilized in the particular project. The student must also demonstrate the ability to communicate research results in both oral and written format.

**Value outcomes**

Upon completion of this course students will:

- gain an appreciation for what the scientific research method
- understand the value of classroom training

**V.** Unless otherwise stipulated in this master syllabus by the department, the following items are subject to faculty discretion as described in each faculty member's individual course outline/syllabus:

**Course Requirements** (grading/evaluation procedures; class attendance policy; term papers)

**Required Text(s)** NA

Department Head Signature/Date:

\_\_\_\_\_  
Signature

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
Date

