**ASSESSMENT**

**Geology BS Degree Program**

**Learning Outcomes #1**

1. Identify common rock-forming minerals in hand specimen and thin section, name major rock types, and describe the conditions under which each of them formed. This will include being able to describe the chemical characteristics of various types of rocks and the use of stable and radiogenic isotopes as environmental tracers and geochronologic tools

GEOL 220:

1. Two Mineral exams (Direct, Quant);

2. Instructor Assessment of Student Presentation/Report (Indirect, Qual).

GEOL 427/427L

1. Lab quizzes 3, 8, 12 (Direct, Quant)
2. Student questionaire (Direct, Qual),
3. Faculty questionaire (Indirect, Qual)

**\*\*\*\*\*Remember Assessment is based on GEOL MAJORS ONLY\*\*\*\*\***

1. **GEOL 427: Lab Quiz 3**

GEOL Majors: Enrollment \_\_\_\_. Average grade \_\_\_\_\_.

\_\_\_\_\_% performed satisfactorily (\_\_\_\_ out of a total of\_\_\_). These students averaged \_\_\_\_\_ .

\_\_\_\_\_% performed unsatisfactorily (\_\_\_\_ out of a total of\_\_\_), with average quiz grades C- or lower.

Please state how many students had specific grades of F, D, C-, or withdrew from the class:

If you have any other useful observations based solely on these results, please provide them:

Are there any suggested changes to this class (or the larger curriculum) that you would recommend in order to address any deficiencies or negative results of this assessment? Anything you would like to do differently next time?

**2. GEOL 427: Lab Quiz 8**

GEOL Majors: Enrollment \_\_\_\_. Average grade \_\_\_\_\_.

\_\_\_\_\_% performed satisfactorily (\_\_\_\_ out of a total of\_\_\_). These students averaged \_\_\_\_\_ .

\_\_\_\_\_% performed unsatisfactorily (\_\_\_\_ out of a total of\_\_\_), with average quiz grades C- or lower.

Please state how many students had specific grades of F, D, C-, or withdrew from the class:

If you have any other useful observations based solely on these results, please provide them:

Are there any suggested changes to this class (or the larger curriculum) that you would recommend in order to address any deficiencies or negative results of this assessment? Anything you would like to do differently next time?

**3. GEOL 427: Lab Quiz 12**

GEOL Majors: Enrollment \_\_\_\_. Average grade \_\_\_\_\_.

\_\_\_\_\_% performed satisfactorily (\_\_\_\_ out of a total of\_\_\_). These students averaged \_\_\_\_\_ .

\_\_\_\_\_% performed unsatisfactorily (\_\_\_\_ out of a total of\_\_\_), with average quiz grades C- or lower.

Please state how many students had specific grades of F, D, C-, or withdrew from the class:

If you have any other useful observations based solely on these results, please provide them:

Are there any suggested changes to this class (or the larger curriculum) that you would recommend in order to address any deficiencies or negative results of this assessment? Anything you would like to do differently next time?

1. **GEOL 427: Student questionnaire**

Please provide a short summary of what you learned from this assessment for GEOL majors as far as it applies to this learning objective and what if anything you recommend doing differently in the future.

1. **GEOL 427: Faculty Questionnaire**

Please provide a short summary of what you learned from this assessment for GEOL majors as far as it applies to this learning objective and what if anything you recommend doing differently in the future.