Geology 170 (0.5 lecture unit and 0.5 lab unit, 1.0 unit total)

**Geological History of the Great Basin Province**

(0.5 hours of Lecture per Week and 1.5 hours of laboratory per week)

Lecture (0.5 units):

1. Students will discuss concepts of internal and external geophysical processes that have created the present-day Great Basin Province, based upon lecture material.

2. Students will discuss geologic features common to selected national parks, national monuments, national natural landmarks, wildernesses, national preserves, and national historical sites within the Great Basin Province.

Laboratory (0.5 units):

1. Students will prepare a time-sequential field notebook, including all geological sites with elevation and GPS for each site, as well as drawings and geological descriptions.

2. Students will document their field trip with annotated maps, photos of geological and historical sites, and collected literature.

3. Students will prepare a college-level, typewritten field report that integrates lecture and laboratory (field) material and observations.