



**Summer 2007**

**The Earth As a Classroom (TEAC)**

A professional development course for K-12 teachers

**Presented by the Raggio Research Center (RRC) at UNR and Nevada Seismological Laboratory (NSL) at UNR**

**Includes a 7 day field experience at Lake Tahoe and Mammoth Lakes**

**Overview of the Course**

Earth Science is often considered a “lesser” science, but what could be more exciting than teaching and learning about plate tectonics, earthquakes, volcanoes? And what could be more engaging than having real-time seismic data streaming into your classroom so your students can “see” earthquakes as they happen and join other schools and the researchers at the Nevada Seismological Laboratory in the Nevada K-12 Seismic Network? Requirements for the course include keeping a field journal, writing a paper on field experience topics, and developing and teaching an Earth Science module in your own classroom. We will also address pedagogical topics such as assessment, teaching strategies for Earth Science, and differentiated instruction.

**Instructors: Dr. Ken Smith, NSL and Jacque Ewing-Taylor M.Ed, RRC**  
**Pedagogical content provided by Dr Pamela Cantrell, BYU**



**Learn About**

- Reading geological maps
- Recognizing fault types and other landforms relative to seismology
- Using seismic software for your classroom (software is provided free of charge)

**Dates and Times**

PreSessions at UNR: April 21<sup>st</sup> and May 19<sup>th</sup>      9:00 a.m. to 3:00 p.m.      (Breakfast & Lunch provided)  
 Field Experience: July 9<sup>th</sup>-15<sup>th</sup>  
 Post Session at UNR: October 6<sup>th</sup>      9:00 a.m. to 3:00p.m.      (Breakfast & Lunch provided)

**Attendance is mandatory at pre/post sessions**

**Expenses Covered by our Grant**

Travel and lodging expenses for pre and post sessions for teachers living more than 90 miles from Reno; \$200 toward \$470 tuition for 3 graduate credits through Extended Studies; travel and lodging during field experience (double occupancy hotel rooms—two beds); a packet of reference materials.

Proof of immunization is required for enrollment at UNR. Click here [www.unr.edu/raggiocenter/teac/immuno.html](http://www.unr.edu/raggiocenter/teac/immuno.html) for details.

**Applications accepted until March 30<sup>th</sup>. Download an application form from our Web site: [www.unr.edu/raggiocenter](http://www.unr.edu/raggiocenter). Click on TEAC**