Fall, 2002

**Seismology**
Geology 453
Lectures: Mon., Weds, Fri 8-8:50 [Hebeler 112]
Professor: Tim Melbourne, tim@geology.cwu.edu
Lab Period- TBD on D1.

Major Course Goals:
To understand how seismic waves can be analyzed to infer deep earth structure.

Class Texts and References
- Peter Shearer: Introduction to Seismology
- Reference: Lay and Wallace: Modern Global Seismology

Homework/Labs
Some assignments will be performed in the Unix lab. Typically, assignments will be given out on Monday and are due the following Monday, at the start of class. The assignments build on each other sequentially, so it is crucial that you take the time to understand the theoretical and CS concepts behind the individual exercises. The labs are designed to take about 3 hours each.

Exams.
There will two exams in this course.

Grades:
Grades will be determined by your performance on exams and assignments, rated equally. Since to a large extent the labs build on each other sequentially, it will prove very difficult to not turn in any given lab and still be able to complete subsequent labs. Therefore, you MUST complete all assignments.

Collaboration:
Collaboration with other students is strongly encouraged. When it comes to the computer assignments, the more brains focussed on a given problem, the better. Be careful to make sure you understand all aspects of a lab and do your share in the collaboration, however, since doing a disproportionately small amount of work on a given lab is guaranteed to result in extreme confusion on subsequent labs.