# Learning Ecology in the Ecosystem – a PBL Approach Liana Boggs Lynch (lboggs2@uwyo.edu) Department of Botany, Life Sciences Program University of Wyoming



## LIFE 3410 – Field Ecology

Field ecology is a course unlike most others. It is a course that emphasizes learning by doing. Much of the class is spent outside where students have the opportunity to learn about ecological systems in the field and gain skills in sampling and data collection. These are real-life exercises—the skills students learn here can be applied not only in other classes but also in future work situations.

### Learning Philosophy

I believe that students learn best by getting their hands "dirty" - and completely immersed in their learning.

"Tell me and I forget. Teach me and I remember. Involve me and I learn." ~ Benjamin Franklin

#### Student Learning Outcomes

- Students will be able to formulate and test hypotheses based on real ecological problems posed. Students will be able to apply new field, analytical, data and coding skills to real scientific problems. Students will practice the scientific method. Students will achieve higher Bloom's Cognitive Domains:
  - Evaluation
  - Application
  - Comprehension

STATISTICS AND AND ADDRESS AND ADDR

Anderson, Lorin W., and David R. Krathwohl. A taxonomy for learning, teaching, and assessing: A revision of Bloom's taxonomy of educational objectives. Longman, 2001



Scientific Literature



#### LEARNING ACTIVELY **MENTORING PROGRAM**