WALTER E. DEAN

Environmental Information Management Institute

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June 3 – June 21, 2013

Register for these courses if you are a student or professional with a BS in biology, geology, ecology, or other environmental sciences, environmental engineering, geography or science librarianship. Non-UNM students are also welcome but need to register.

Scientists, engineers, and data librarians are working in an increasingly data-intensive research environment. The Environmental Information Management (EIM) Institute provides MS and PhD students and professionals with the conceptual and practical hands-on training that allows them to effectively design, manage, analyze, visualize, and preserve data and information.

Participants will:
- work with nationally known experts in the field
- gain a significant competitive advantage in the job market
- become familiar with all aspects of the data life cycle
- learn how to manage data files, create databases and design web portals
- explore state-of-the-art analysis and visualization techniques
- learn techniques for managing, analyzing, and visualizing geospatial data

REGISTRATION INFORMATION:
- **Space is limited.**
- **Registration opens April 22.**
- **The Institute is comprised of three one-week courses for two credits each.**
- **Open to non-UNM students.**
- **For more information email Teresa Neely at (neely@unm.edu).**

The Institute is made possible by generous funding from Walter E. Dean. Dr. Dean, a UNM alumnus, has worked for the U.S. Geological Survey since 1975 on a variety of projects and is currently a research geologist in the Geology and Environmental Change Science Center in Colorado.

Week 1
INFO 530 Environmental Information Management

Lectures and exercises focus on data and metadata acquisition and management, quality assurance/quality control, data preservation, and database creation and management.

Week 2
INFO 532 Environmental Data Analysis and Visualization

Lectures and exercises cover techniques for data exploration, data analysis and scientific workflows, and creation of effective visual representations of analytical results.

Week 3
INFO 533 Spatial Data Management in Environmental Science

This hands-on course focuses on how geospatial data are effectively managed, analyzed, visualized and preserved in Geographic Information Systems.

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