

Soil and Groundwater Quality Management

Syllabus – Administrative Items

Readings

We will incorporate readings from the scientific community, data summaries, news items, technical references and a variety of other sources. We will discuss the findings, purpose and provenance of technical documents used. Documents will be posted to the course's Gauchospace site, referenced in public sources, and reserved for esm223 at the Davidson Library.

Grading

- ◆ 40% - Problem sets (approximately five assignments)
 - › Assignments may require mostly narrative responses (appx 1-2 pages text), or technical product (e.g., excel data files), or some combination.
- ◆ 50% - Final Project -- Case Study
 - › Topic is based on a specific contaminated site
 - › Includes analysis, proposed actions and management plan
 - › Individual or 2-person effort
 - › Final, written report (appx 15 pages plus any technical appendices)
- ◆ 10% - Final Project Presentation and/or Roundtable Discussions; Class Discussion
 - › Oral presentation of final project study and findings (no more than 10 min presentation, format tbd based on size of course enrollment). Presentations/Roundtable will be made during the assigned final exam period.
 - › Preparedness for class discussion
- ◆ All submitted materials should be concise and in a style appropriate to a professional client.

Prerequisite

Background coursework or reading in hydrogeology; esm222 or equivalent preferred but not required.

Office Hours

[location tbd] After class or by appointment

Contact

nnbrown@gmail.com

Norman N. Brown, Ph.D.
esm226 & esm223
Bren School of Environmental Science and Management
University of California
Santa Barbara, California 93106
