Experiential Education
Field-Based Learning in Environmental Engineering

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CEE
SMU – CTE, September 2015
Engineers without Borders

- Mexico
- Guatemala
- Bolivia
- Rio Grande Valley
- Rwanda
Teaching

- First Year Design
- Aquatic Chemistry
- Advanced Topics
- Env. Eng. Laboratory
- Field Courses
Field Methods for Soil & Water Analysis

Advanced Environmental Field Methods

Design for the Developing World
Preparation & Training

• Travelled internationally and done sampling with 15 (1 twice) undergrads

• 3 had been through a Taos course

• Travelled internationally for research sampling with 5 grads (2 twice and 1 thrice)

• 4 of 5 had been through Taos (2 twice)
High Alpine Lake
Sediment Coring
On Campus Soil & Water Sampling
Non-Traditional “Classroom” Settings
“The times I learned the most were the times when I could actually see and do what I was learning, not just hear about it in a classroom.”

“Taos was an amazing classroom…”

“This was the best academic experience of my undergraduate career.”