International Capstone Design in Bolivia
December 2009 (2 weeks)

The vision behind this program is for students to generate engineering work that benefits a developing country and their people. This project class will inspire students with the vision of lifelong learning, giving, and community service, to serve as a strong foundation for their careers and lives. Construction work in underdeveloped areas is typically done in a simple manner with simple tools, making it easy for students to use and understand the materials, tools, techniques and stages of construction. The simplicity of the construction projects and techniques make for an excellent laboratory setting to further understand the implications of design, design documentation, construction productivity, materials and procurement, scheduling and on-site coordination, without overwhelming the students with typical US scale, techniques and schedule rigors. It is a fantastic way to generate discussions and experiences revolving around project management, teambuilding and communications while at the same time learning lessons of appreciating other cultures and learning flexibility in solving problems. This experience serves as the basis for the design project. The design projects are provided by the local people and government officials. Students will also gather design data for the subsequent capstone design course to be completed in the fall on USF Tampa campus.

Please see our website for additional program and course information, application, directions, forms, payment deadlines and other details www.global.usf.edu/educationabroad. For more background information about this program see: http://cee.eng.usf.edu/icd

USF COURSES
CGN4933 International Engineering Design Experience
(3 credits).
This program is a prerequisite to the fall 3 credit international design capstone course. This is a two course sequence, students must participate in both the summer and fall courses.

FACULTY BIO
Dennis Magolan and Linda Phillips are Lecturers and Patel Associates at the University of South Florida in the Civil and Environmental Department.
Linda has a B.S. and M.S. in Civil Engineering from Michigan Technological University specializing in Construction Management.
Dennis has a B.S. in Construction Engineering from Lawrence Technological University in Detroit, Michigan and an M.S. in Civil Engineering from Michigan Tech.
Combined they have over 40 years experience working as project engineers and contract administration. They have jointly run similar international capstone programs in Bolivia and the Dominican Republic since 2000. They are both contributors to Field Guide in Environmental Engineering for Development Workers: Water, Sanitation, Indoor Air, (American Society of Civil Engineers (ASCE) Press, 2009).

ACADEMIC CONTACTS
For academic advisement or questions pertaining to courses or credits, contact:
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Estimated Program Fee $2100
The final cost of the program will depend upon enrollment and the currency exchange rate. The final price will be set by September 2009.

Included Program Features:
- Lodging and some meals
- Instruction abroad / 3 Undergraduate Credits
- In-country transportation
- Materials

Not Included in Program:
- International airfare
- Visa fees and departure taxes
- Personal spending

PROGRAM COORDINATOR
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