ENGR 410 – Global Engineering Design

Fall 2015
Required for the International Engineering Certificate!

Class Information:
Section: ENGR 410, check schedule in Howdy
Mondays and Wednesdays
- August 31 to October 17: from 10AM to 11AM
- October 19 to November 1: from 9AM to 10AM
- November 2nd to December 16th: from 8AM to 9AM
Location: Engineering Innovation Center.
Instructor: Dr. Jorge Leon, Allen-Bradley Professor, Engineering Technology and Industrial Distribution, and Industrial and System Engineering
Office: 117E Thompson Hall; (979) 845-4993; jleon@tamu.edu.

Improve your value in the job market!
Companies today need engineers that are effective in international, intercultural settings. Engineers must be knowledgeable about international conditions that may affect an engineering project implementation, and must have the ability to work with a diverse, multinational, multidisciplinary workforce. The goal of the Global Engineering Course is to make you more competitive in today’s global job market by giving you international project experiences and the skills needed to be effective internationally.

Work on a state-of-art international engineering project!
Global Engineering course activities will be centered on a state-of-art engineering project provided by industry. This project will give you the opportunity to learn about engineering challenges facing today’s world, and have direct interactions with engineering experts and students from a different country. This Fall the class project is kindly provided by Tenaris Texas Arai, in Houston Texas. The project will involve the developing the concept and basic engineering to fully automate a two-machine CNC cell used in the manufacturing of specialty couplings used in the oil and gas industry.

Be effective in the global workplace!
Learn about intercultural similarities and differences, and how to use this knowledge to enhance your own creativity and problem solving skills, and become effective in diverse, multi-ethnic, multi-racial, multi-cultural and multi-disciplinary teams. This content will be offered to you both in face-to-face lectures, web-based mini lectures, and readings. You will also enhance your communications competency by learning how to use remote/virtual collaboration technologies.