Global Engineers!

Welcome to UConn and to Global Engineering! I hope you find this course as fascinating to take as it has been to teach and design. Its goal is to give you an overview of the major engineering disciplines. It is also designed to give you an understanding of the other kinds of other skills you will need be an effective engineer or business leader in international settings. In other words, it is for people considering a career in science and engineering with a focus on big international projects and/or global management.

Given the scope of the course, you will be participating in a surprising variety of activities. You will be developing your own prototype for a technology that would be useful in an emergency situation, created in an environment with few available resources. You will also be visiting a major global engineering company operating right here in Connecticut along with variety of cutting edge labs here at UConn. This will give you a front-row seat to the work being done across different engineering disciplines. Finally, you will participate in case-studies that explore real-world crises that have arisen as a direct result of the mismanagement of cultural differences in Fortune 500 engineering companies and take part in a cultural training simulation developed by NASA.

Because of all of the hands-on work you will be doing, it would be helpful for you to bring the following to class:

- Laptop (if you have one)
- Charger
- Pencils
- Erases
- A ruler (if you have one)
- A pad on which to plan and design a project
- A fine point marker (black, blue or green)
- The blue folder you will be given on Sunday

Before class begins you will completed the questionnaires I will be sending to you during the week before the class. It should take 15 minutes. Because we will be working in a lab space, you will also have to complete the lab safety module before Monday morning’s first class.

Safety note: from Tuesday onward, you will begin building your prototypes. If your project involves any hammering or drilling, you will be required to come to class wearing long sleeves and pants as well as closed foot shoes.

Looking forward to seeing you this summer!

Professor Jennifer Terni