Syllabus for CH EN 4753, Chemical Engineering Undergraduate Seminar

University of Utah

Fall 2010 (last revised 2010 August 21)

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Meetings: T, 10:45-11:35, WEB L105
Prerequisites: none
Required text: none

Course Description

The seminar class is graded CR/NC, principally on the basis of attendance. A minimum of four semesters of 4753/4755 are required for graduation. Seminars may include topics in the arts, humanities, and social sciences. Field trips to industrial facilities are required.

Objectives

By the end of this course you will be able to

1. Describe an industrial process based on what you learned during a field trip.

2. Describe the breadth of the chemical engineering discipline.

3. Recognize the necessity of life-long learning.

4. Describe the advantages of belonging to a professional organization like the American Institute of Chemical Engineers (AIChE).

5. Recognize the opportunities provided by Career Services.
6. Recognize the characteristics of a well-prepared talk.

7. Go to the AIChE Code of Ethics (www.aiche.org/About/Code.aspx) when seeking guidelines for ethical decision making.

**Grading**

To receive credit for this course requires that you attend at least two thirds of the seminars and experience one field trip that has received prior approval from the instructor. The Student Chapter of AIChE organizes approved field trips that are open to member of the Student Chapter.

**Students with Disabilities**

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services (CDS), http://disability.utah.edu/, 162 Olpin Union Building, 581-5020. CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

**Using E-mail**

I will be using the email system provided by the U to send you messages. Please be sure that you check or forward mail sent to your utah.edu address.

**AIChE Code of Ethics**

Members of the American Institute of Chemical Engineers shall uphold and advance the integrity, honor and dignity of the engineering profession by

- Being honest and impartial and serving with fidelity their employers, their clients, and the public;
- Striving to increase the competence and prestige of the engineering profession;
- Using their knowledge and skill for the enhancement of human welfare.

To achieve these goals, members shall

- Hold paramount the safety, health and welfare of the public and protect the environment in performance of their professional duties.
- Formally advise their employers or clients (and consider further disclosure, if warranted) if they perceive that a consequence of their duties will adversely affect the present or future health or safety of their colleagues or the public.
- Accept responsibility for their actions, seek and heed critical review of their work and offer objective criticism of the work of others.
o Issue statements or present information only in an objective and truthful manner.
o Act in professional matters for each employer or client as faithful agents or trustees, avoiding conflicts of interest and never breaching confidentiality.
o Treat fairly and respectfully all colleagues and co-workers, recognizing their unique contributions and capabilities.
o Perform professional services only in areas of their competence.
o Build their professional reputations on the merits of their services.
o Continue their professional development throughout their careers, and provide opportunities for the professional development of those under their supervision.
o Never tolerate harassment.
o Conduct themselves in a fair, honorable and respectful manner.