Chemical Engineering Course Title

Catalog Description
Survey of practical and new developments in environmental management field, energy, water, and related health issues, provided through a series of lectures and reports about on-going research.


Pre-requisites
None

Textbook
None

Course Objectives
The primary objective of the seminar is for students to become familiar with current major environmental, energy, water, waste management, air, and human health related problems and issues facing the world.

The secondary objective is for the students to learn basic team interaction and management, and organization skills. These objectives will be accomplished through the student’s participation in several projects presented by the instructor as well as guest speakers.

Topics Covered
- Water and energy nexus
- Sustainability and environment
- Agriculture, food and population
- Human health

Class/Laboratory Schedule
Mondays, 3:30-4:20

Instructor
Dr. Abbas Ghassemi
Office: ECIII, suite 300
Phone 575-646-2357
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Grading

The final grade will be based on the following:
Class attendance and participation 30%
Project Presentation (20 minutes) 40%
Final written project report 30%
The final report should address the basic problem as discussed as well as proposed solution (rationale for selection, conceptual description, scale, limited design, etc.), and other issues such as a plan of implementation, preliminary cost analysis, time schedule, dealing with anticipated public issues, legal implications, etc.

- 97-100% A+; 94-96% A; 90-93 A-
- 87-89% B+; 84-86% B; 80-83 B-
- 77-79% C+; 74-76% C; 70-73 C-
- 67-69% D+; 64-66% D; 60-63 D-
- >60 F

Attendance Policy

Attendance is mandatory and will be taken at each class. Unexcused absences will be considered during the final grading. Two unexcused absences will reduce the final grade by one letter.

Syllabus Preparation Date

- 8/28/15

The NMSU Department of Chemical Engineering maintains a syllabus addendum containing course requirements common to all courses with the CH E prefix online. This document is accessible from the URL:
http://chme.nmsu.edu/academics/syllabi/chme-common-syllabus-addendum/