

**CE445/545: GEOENVIRONMENTAL ENGINEERING
SPRING 2009**

Instructor:	Dr. Lianyang Zhang, CE Building/Room 200A Phone: 626-0532; E-mail: lyzhang@email.arizona.edu
Time and Room:	TR 9:30-10:45 AM; CE 310
Office Hours:	TR 3:00-4:30PM or By Appointment

Prerequisite(s)

CE343 Geotechnical Engineering and Design

or permission of the instructor. If the instructor has waived the prerequisite(s), you still take full responsibility for your performance in this course.

Grading Criteria

ACTIVITIES	PERCENTAGES
Attendance & Participation	5%
Homework	20%
Mid-Term Exam	20%
Final Exam	35%
Term Paper	20%

Attendance & Participation (5%)

Attendance will be randomly recorded during class hours. If you missed any class(s) on the days when the attendance is recorded, you will receive a reduced grade proportional to the number of missed classes. Your participation in the class will be recorded based on answering oral questions in the class (right or wrong, does not matter) and participating in all class discussions.

Homework (20%)

If not specified, home work will be due a week after it is handed out. Homework must be turned in at the beginning of the class in the classroom on the due date. Late turned in homeworks will receive a zero grade. Students are expected to turn in neat and organized homework on engineering problem sheets using only one side of the sheet. Any homework which is sloppy, difficult to read, or difficult to understand will receive a reduced grade.

Mid-Term Exam (20%)

One exam will be given in the middle of the semester. The exam is tentatively scheduled for Thursday March 12, 2009 and will be held at the same location as the class. It will be open book and open notes.

Term Paper (20%)

You can pick any topic related to waste disposal/containment or contaminant remediation and write a term paper. Your topic needs to be approved by the instructor by first submitting a one-

page brief description of it. If you do not have a topic in mind, I will give you possible topics for your paper. You will need to type your paper (double-spaced, left and right justified, 1” margins on all sides). Total single-sided pages in the paper including tables and figures shall not exceed 15.

Final Exam (35%)

A final exam worth 35% of the total grade will be given at the end of the semester on the date/time listed in UA Calendar. The final exam will cover the entire syllabus (comprehensive) and be open book and open notes.

Grading Scale

Total Score	Grade Point	Total Score	Grade Point
≥ 90	A	≥ 60 to < 70	D
≥ 80 to < 90	B	< 60	E
≥ 70 to < 80	C		

Notes: 1. If the class average is above 80, grades will be based on the “traditional” scale presented in the above table. If the class average is below 80, I may translate the grading scheme by statistical curving to reflect the true class average.
 2. The instructor will make the borderline decisions based on the student’s motivation, attendance, participation in the class, and quality of work.

Text

No textbook is required for this class. However, the following are two good reference books:

- Sharma, H.D., and Reddy, K.R., *Geoenvironmental Engineering: Site Remediation, Waste Containment, and Emerging Waste Management Technologies*, John Wiley & Sons Inc., 2004.
 ➔ A comprehensive reference on different topics
- Qian, X., R. M. Koerner, and D. H. Gray. *Geotechnical Aspects of Landfill Design and Construction*. New Jersey: Prentice Hall Inc., Upper Saddle River, 2002.
 ➔ A good technical reference on landfills

Absent Policy

The following is the University policy on absence:

Students are expected to be regular and punctual in class attendance. The University believes that students themselves are primarily responsible for attendance. Instructors will provide students with written statements of their policies with respect to absences. Excessive or extended absences from class is sufficient reason for the instructor to recommend that the student be administratively dropped from the course. For those courses in which enrollment is limited, missing the first class session may be interpreted as excessive absence. If this action is filed in the Registrar's Office by the end of the fourth week of classes, it will result in cancellation of registration in the course. If the student is administratively dropped after the end of the fourth week of classes, it will result in a failing grade being awarded in that course.

Student Code of Ethics

Every student should read the code of ethics. Cheating of any kind, including homework, will be taken very seriously. Action will be taken against the offending person(s) according to the "Student Behavior Policy." This action is severe. Bottom line - don't do it! Having stated this, there is a fine line between working together and cheating. I certainly encourage students to work together, particularly in the area of discussing approaches to solutions. The difference between cheating and working together is the level of interaction and discussion that takes place.

Dropping/Withdrawal from Classes

Please review the regulations in 2008-2009 Academic Calendar/General Catalog, U of A.