ENVS 497
Air Pollution Control
Courses Syllabus: Spring, 2015

Instructor: Dr. Lin Guo
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Phone: 903-886-5371

Office Hours: SCI 202
12:00–1:00 MF

Text Book: No book is required.

Course Description: As a comprehensive course, it introduces the effects of air pollutants on human beings and environment, the sources of air pollution, and the physical and chemical behavior of pollutants in the atmosphere. Also, it covers legislation and regulation; control technologies and future trends toward preventing air pollution.

Instructional Method: Lecture, discussion and project.

Learning Objectives: Upon completion of this course you should be able to:

1. Describe current air pollution issues;
2. Know the main air pollutants and its effect on human health and environment;
3. Understand the regulations and policies to manage air pollution;
4. Have a knowledge of technologies used to control and remove air pollutants

Evaluations:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
<th>Grade</th>
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<tbody>
<tr>
<td>2 tests</td>
<td>200</td>
<td>A≥90%</td>
</tr>
<tr>
<td>Term-paper</td>
<td>200</td>
<td>B≥80%</td>
</tr>
<tr>
<td>2 Presentations</td>
<td>200</td>
<td>C≥70%</td>
</tr>
<tr>
<td>Total</td>
<td>600</td>
<td>D≥60%</td>
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Tests: Exam 1 March 10; Exam 2 May 12.

Term-paper: Select any topics related to air pollution and write a term paper; Use 12 pt font, 1.5 line spacing; Number your pages; Due on or before 5 pm on April 23 (sent to dropbox in e college); Any paper that is not properly referenced will receive a zero. Late paper is not accepted.

Presentations: One presentation is about the air pollution events in history; the other is about the topics in the term paper.
**Topics:** The following topics will be included in class.
The composition of atmosphere; Main air pollutants in the air; Air pollution control technologies of particulate and gaseous pollutants; Regulations of air pollution control; Compliance and enforcement of regulations; Monitoring of air pollution; Emissions of air pollutants; Prevention of air pollution; Indoor air pollution.

**Absence:**
Students are required to attend all sections and sign the rosters every class. Be late for class and/or leaving early will be treated as absences. The final grades will be affected by the absences (i.e. the numbers of absences will be subtracted from your final grades). **Official documents** (e.g. doctor’s letter) must be presented if you ask for a leave from class or it will be treated as an absence.

**Cell phone:**
Cell phone must be turned off or in silent mode.

**Students with Disabilities:**
The Americans with Disabilities Act (ADA) prohibits discrimination against people with disabilities in employment, transportation, public accommodation, communications, and governmental activities.
If you have a disability requiring an accommodation, please contact:
Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library, Room 132 Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148,
StudentDisabilityServices@tamu-commerce.edu

**Plagiarism:**
All sources of information must be referenced. Unreferenced or stealing of other’s sentences, paragraphs, or entire paper is a serious ethical offense and even a crime activity.

**Behavior:**
All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. Students who are disruptive to class activities will be dropped from the class and may face further disciplinary action.

If you have questions pertaining to the content of this course, please contact me via email or come to my office. I am glad to talk to you any time, but it is better to stop by during my office hours or send me an email in advance.