

CHM 480/580: Atmospheric Chemistry

Fall 2010

470 Science Hall Mondays 1:00-2:50 PM
405 Science Hall Wednesdays 4:00-4:50 PM

Dr. Laura McCunn-Jordan (*please call me Dr. McCunn*)
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Office Hours Monday 3:00-4:00 PM
 Tuesday 9:00-10:30 AM, 1:30-3:00 PM
 Wednesday 9:00-10:00 AM
 other times by appointment

If you cannot attend my office hours, please make an appointment. I welcome drop-in visits, but cannot guarantee that I will be available to help you during non-office hours. Simple questions can be answered via email.

Required materials

- Atmospheric Chemistry and Physics: From Air Pollution to Climate Change, 2nd Edition by Seinfeld and Pandis

Course Description

A study of the composition and chemical reactions of the Earth's atmosphere. The course will feature "journal club" discussions of current research literature related to atmospheric chemistry. 3.00 credits. Prerequisite: consent of instructor

Course Objectives

Students will become scientifically literate in areas of air pollution, global chemical cycles, ozone depletion and climate change. They will understand how the principles of kinetics, equilibrium and photochemistry apply to these problems.

Attendance Policy

Due to the small size and discussion-based nature of this course, attendance by all students is crucial. Each unexcused absence on the day of a "journal club" session will incur a penalty of 25 points. In the case that class is cancelled due to inclement weather or an emergency on the day of a scheduled test, the test will be given in the next scheduled class period.

Grading Policy

homework	200 points
journal club assignments	200 points
tests	300 points
final project	300 points
1000	TOTAL POINTS

Grading Scale

A: 900-1000 points B: 800-899 C: 700-799 D: 600-699 F: 0-599

The final grading scale may be adjusted in order to lower the point threshold for a letter grade. Any changes will work in the students' favor. If you believe there has been an error in the grading of your work, please consult Dr. McCunn.

Miscellaneous policies

Please silence cell phone ringers during class or exams. The instructor reserves the right to answer any ringing cell phones or to dismiss any student who is using a cell phone during lecture. Use of cell phones / PDAs / MP3 players and similar devices during tests and exams will be considered academic dishonesty. Recording of lectures without the instructor's permission is prohibited. Laptops should not be used during class without permission.

Class announcements may occasionally be made via email to your university email address. Please check it on a regular basis. Lecture notes and handouts will be available in Dr. McCunn's office during office hours or by appointment. They will also be posted at MU Online as time permits.

Academic Honesty

The university policy will be enforced. See page 66 of the 2010-11 undergraduate catalog. http://www.marshall.edu/catalog/undergraduate/ug_10-11_published.pdf

Accommodations for Disabilities

Students with disabilities must contact the Office of Disabled Student Services in Prichard Hall 117, phone 696-2271 to provide documentation of their disability to ensure proper accommodation. Please visit <http://www.marshall.edu/disabled> for additional information.

Course Schedule

chapters are subject to change based on the progress of the class

Week of:

8/23	chapter 1
8/30	chapter 2
9/6	no class on Monday, chapter 3
9/13	chapter 4
9/20	chapter 5
9/27	chapter 6
10/4	TEST (10/4), chapter 8
10/11	chapter 14
10/18	chapter 16
10/25	chapter 17
11/1	chapter 23
11/8	chapter 24
11/15	review, TEST (11/17)
11/22	<i>Thanksgiving Break</i>
11/29	final project presentations
12/6	final project presentations, 12/6 is the last day of class