Course Syllabus

Department of Atmospheric Sciences

Prerequisite: Upper division undergraduate student and MATH 1050 (College Algebra) or instructor's consent

Class meets Tuesday and Thursday, 10:45 AM -12:05 PM, 250 Frederick A. Sutton Building (FASB)

Instructor

Dr. Court Strong, Office: 702  WBB
court.strong@utah.edu

Office hours: Tuesday 3:00-4:00; also by appointment

Required text:

**Climate Change: Past, Present, and Future** by Marie-Antoinette Melières, Chloe Marechal

Marriott Library has physical copy on reserve and also an e-book version.

Goals

- The purpose of this course is to provide you with scientific understanding of Earth's climate system.
- Our goal is to understand how climate depends on physical processes within, and interactions among, five climate system components: atmosphere, oceans, land surfaces, biosphere, and sea ice.
- Students completing the course will be able to interpret observed climate variability, assess climate sensitivity to human and natural influences, and to critically evaluate projections of climate change.

Grades

You will use Canvas to view assignments, due dates, grades, announcements, and lecture notes. You will turn in homework electronically on Canvas on the day it is due (by entering on webpage or uploading file). You can alternatively turn in a printed copy if necessary at the beginning of class on the day the assignment is due (slide it under the door of my office). Assignments turned in late lose 10% of the total grade at the beginning of each 24 hour period of lateness.
Exam performance is weighted slightly more than homework performance, and your final grade will be calculated based on these percent contributions:

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<tbody>
<tr>
<td>Homework assignments 1-6</td>
<td>40%</td>
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<td>Exams 1-3</td>
<td>60%</td>
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Final grades are based on the following scale:

- ≥ 90 %  A or A-
- ≥ 80 %  B+, B, or B-
- ≥ 70 %  C+, C, or C-
- ≥ 60 %  D+, D, or D-
- < 60 %  E

There will be no opportunities for extra credit in this course.

**Center for Disability Services**

If you will need accommodations in the class, please give reasonable prior notice to the Center for Disability Services.

**Faculty and Student Responsibilities**

All students are expected to maintain professional behavior in the classroom setting, according to the Student Code. The Code prohibits cheating on tests, plagiarism, etc. Students should read the Code carefully and know they are responsible for the content.

**Scheduling Accommodations:**

Except in cases of sudden illness or emergency, you shall in advance arrange with the instructor to make up materials. If you miss an exam or assignment due to illness, you must provide medical documentation (i.e., letter from doctor) in order to make up missed work.

*This syllabus is not a legally-binding contract. The instructor reserves the right to make modifications when the student is given reasonable advance notice.*