

Course name	GEOS 300: Earth System Science
Semester	Spring, 2017
Instructor	Dr. Shane D. Mayor
Lectures	Mon. and Weds. from 4:00 – 5:15 PM in PHSC 202
Office hours	TBD (Please e-mail me for an appointment. If not in office, look in PHSC 128.)
Office	Physical Science Building (PHSC) 117
Mailbox	Department of Geological and Environmental Sciences office (PHSC 217)
Phone	530-898-6337
E-mail	sdmayor@csuchico.edu
Class webpage	http://physics.csuchico.edu/~sdmayor/GEOS300/_S17/index.html
Required Book	<i>Earth System Science</i> , 3rd Edition (©2010, Pearson Education, Inc.) by Lee R. Kump, James F. Kasting, and Robert G. Crane
Course Format	<p>This is a lecture-based course without labs. It is important that you procure and read the required book and come to class. It is highly advisable to take notes in class. Please inform the instructor by e-mail in advance if you cannot come to a class due to illness or for other reasons.</p> <p>This course is a writing proficiency course.</p>
Prerequisites	Completion of GE Written Communication (A2) requirement; CHEM 107 or CHEM 111; PHYS 202A or PHYS 204A or PHYS 341.
Course Goal	To understand fundamental Earth system processes and interactions, with emphasis on climate change and its impacts.
Course Grade	Your course grade will likely be based mostly upon a set of quizzes, writing assignments, exams, and attendance. However, additional assignments may be given. The weighting of the components that go into the final course grade will be determined at the end of the course. The instructor reserves the right to adjust course grades according to other factors such as attendance and participation.
Dropping & Adding	You may drop (or add) without obtaining permission until Friday, February 3. From February 4 to February 17, you must obtain permission from the instructor to drop. After Friday, February 17, you will need a serious and compelling reason to drop and your request must be approved by the Department Chair and the College Dean.
Classroom etiquette	<p>Please do not eat in lecture. The noises and smells may be a distraction for your peers. Plan your day so that you have adequate nourishment before class.</p> <p>Please come to class on time. Walking in several minutes late is a distraction for everyone. We understand if it happens once or twice a semester, but chronic lateness projects lack of maturity and respect and will be taken into account for your course grade.</p> <p>Please silence mobile phones.</p>

Spring 2017 GEOS 300 meeting dates, significant events, and *tentative* schedule.

Mon.	23	Jan.	Review syllabus. Begin Chapter 1: Overview of the Earth System
Weds.	25	Jan.	Chapter 2: Daisyworld
Mon.	30	Jan.	Chapter 3: Global Energy Balance
Weds.	1	Feb.	
Fri.	3	Feb.	Last day to add or drop without permission from the instructor.
Mon.	6	Feb.	
Weds.	8	Feb.	
Mon.	13	Feb.	
Weds.	15	Feb.	
Fri.	17	Feb.	No adding or dropping after this date without Chair's and Dean's approval.
Mon.	20	Feb.	Chapter 4: The Atmospheric Circulation
Weds.	22	Feb.	
Mon.	27	Feb.	
Weds.	1	Mar.	Chapter 5: Ocean circulation
Mon.	6	Mar.	
Weds.	8	Mar.	
Mon.	13	Mar.	Spring break. No classes.
Weds.	15	Mar.	Spring break. No classes.
Mon.	20	Mar.	
Weds.	22	Mar.	Chapter 6: The Cryosphere
Mon.	27	Mar.	
Weds.	29	Mar.	
Mon.	3	Apr.	
Weds.	5	Apr.	Chapter 7: Circulation of Solid Earth
Mon.	10	Apr.	
Weds.	12	Apr.	
Mon.	17	Apr.	
Weds.	19	Apr.	Chapter 8: The Carbon Cycle
Mon.	24	Apr.	
Weds.	26	Apr.	
Mon.	1	May	Chapter 14: Pleistocene Glaciations
Weds.	3	May	
Mon.	8	May	
Weds.	10	May	
Mon.-Fri.	15 - 19	May	Final Exam week. Final comprehensive exam date and time TBD.

Note: This is a *tentative* schedule and exact dates for exams and course material covered is subject to change. Students are responsible for coming to class to learn about any changes in the schedule and course content.

Instructor reserves the right to modify this syllabus at any time. Course content, schedule, and grading policy may be changed at any time.