

Integrated Science 1315/1415 Online



Instructor: Dale Loughmiller

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Office hours: Online Tuesday, Thursday, and Sunday Nights – Otherwise by Appointment

Text: Hewitt, Lyons, Suchocki, Yeh. Conceptual Integrated Science, second edition. San Francisco. Pearson. Labs and projects will be done online no manual need be purchased.

Course Description: The aim of this course is to give you a knowledge base in the physical sciences (physics and chemistry) that will enable you to critically examine public issues and make more informed choices and decisions. You will acquire a working vocabulary in these disciplines and a sense of relationships between the two. We will be covering Chapters 1-11 in the text.

Grading Policy:

Tests	50%	A = 90+
Labs	25%	B = 80-89
Assignments	15%	C = 70-79
Participation	10%	D = 60-69
		F = 59 or less

ADA Eligibility: ADA eligible students should make arrangements with the instructor in the first week of the semester for accommodations. Students requesting accommodations for disabilities must go through the Academic Support committee. For more information, please contact the Director of Disability Resources and Services, Halladay Student services Bldg., Room 303D, (903-886-5835).

Cheating and other breaches of academic conduct: Academic cheating, plagiarism, and other forms of academic misconduct may result in removal of the student from class with a failing grade or may in extreme cases result in the suspension or expulsion from the University as described in the “Code of Student Conduct” section of the *Students Guidebook*.

Basic Course Schedule (Subject to Change)

Chapter 1 – About Science

Physics

Chapter 2 – Describing Motion

Chapter 3 – Newton’s Laws of Motion

Chapter 4 – Momentum and Energy

Chapter 5 – Gravity

Chapter 6 – Heat

Chapter 7 – Electricity and Magnetism

Chapter 8 – Waves—Sound and Light

Earth Science

Chapter 22 – Plate Tectonics

Chapter 23 – Rocks and Minerals

Chapter 24 – Earth’s Surface – Land and Water

Chapter 25 – Surface Processes

Chapter 26 – Weather

Chapter 27 – Environmental Geology

Astronomy

Chapter 28 – The Solar System

Chapter 29 – The Universe

- Lack of participation may be considered the same as a lack of attendance and be grounds for being dropped from the course.
- Assignments may be added, dropped, or substituted during the course of the semester.