Integrated Science 1415 Online

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


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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Tests</td>
<td>50%</td>
<td>A = 90+</td>
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<tr>
<td>Labs</td>
<td>25%</td>
<td>B = 80-89</td>
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<tr>
<td>Assignments</td>
<td>15%</td>
<td>C = 70-79</td>
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<tr>
<td>Participation</td>
<td>10%</td>
<td>D = 60-69</td>
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<td>F = 59 or less</td>
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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)

Week #1
"About Me" Assignment
Pluto as a Planet
Scientific Method

Week #2
Moving Man Lab
Chapter 1 Discussion Question
Sample Test

Week #3
Projectile Motion Lab
Chapter 2 Discussion Question
Chapter 1 Quiz

Week #4
Lady Bug Motion Lab
Chapter 3 Discussion Question
Chapter 2 Quiz

Week #5
Energy Skate Park Lab
Chapter 3 Quiz
Test #1 Chapters 1-3

Week #6
Greenhouse Effect Lab
Chapter 4 Discussion Question

Week #7
Sound Lab
Chapter 5 Discussion Question
Chapter 4 Quiz

Week #8
Circuit Lab
Chapter 6 Discussion Question
Chapter 5 Quiz

Week #9
War of Current Paper
Chapter 6 Quiz
Test #2 Chapters 4-6

Week #10
Light Lab
Chapter 7 Discussion Question

Week #11
Periodic Table Lab
Chapter 8 Discussion Question
Chapter 7 Quiz

Week #12
Chemical Bonding Lab
Chapter 9 Discussion Question
Chapter 8 Quiz

Week #13
Global Warming Paper
Chapter 9 Quiz
Test #3 Chapters 7-9

Week #14
Acid-Base Lab
Salts & Solubility Lab
Chapter 10 Discussion Question

Week #15
Nuclear Fission Lab
Chapter 11 Discussion Question
Chapter 10 Quiz

Week #16
Class Improvement
Chapter 11 Quiz
Test #4 Chapters 10-11
Final TBD

* 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.