Spring 2022

PHYS 203-002: The Earth in Space

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Textbook


Grade

Your numerical final grade will be based upon 3 in-class exams (19% each), Final Exam (33%) and 10% Participation/Attendance. The examinations will be administered on the following dates.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>Monday 2/21</td>
</tr>
<tr>
<td>(covers thru week 4)</td>
<td></td>
</tr>
<tr>
<td>Exam 2</td>
<td>Monday 3/28</td>
</tr>
<tr>
<td>(Covers week 5-8)</td>
<td></td>
</tr>
<tr>
<td>Exam 3</td>
<td>Monday 4/18</td>
</tr>
<tr>
<td>(Covers week 9-11)</td>
<td></td>
</tr>
<tr>
<td>Final Exam</td>
<td>TBD</td>
</tr>
<tr>
<td>(inclusive but ~1/2 after week 11)</td>
<td></td>
</tr>
</tbody>
</table>

Grading formula: \( .19 \text{(exam 1+2+3)} + .33 \text{(final)} + .10 \text{(participation)} \)

If you miss an examination, you will receive a grade of zero that will be calculated into your final grade. There are no make-up examinations (except for illness or work). The following table will determine your letter final grade.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>80% to 100%</td>
</tr>
<tr>
<td>B+</td>
<td>75% to 80%</td>
</tr>
<tr>
<td>B</td>
<td>70% to 74%</td>
</tr>
<tr>
<td>C+</td>
<td>60% to 69%</td>
</tr>
<tr>
<td>C</td>
<td>50% to 59%</td>
</tr>
<tr>
<td>D</td>
<td>40% to 49%</td>
</tr>
<tr>
<td>F</td>
<td>0% to 39%</td>
</tr>
</tbody>
</table>

Exam grades will not be curved. Exams will consist of multiple-choice and/or true-false questions, all of which will come directly from topics discussed in class and/or topics discussed in the textbook. All exams are closed book and closed notes. Summary sheets will not be permitted.
Earth in Space (Phys 203) and Earth in Space Laboratory (Phys 203A) are independent courses. You can register for either one of these courses without being registered for the other course. Withdrawal from one course does not mean you must withdraw from the other course.

**Academic Integrity**

All students who cheat during an examination are in violation of the Academic Honor Code. All such students will automatically fail the course and will be reported to the Dean of Student Services so that further action may be taken.

**Course Schedule**

<table>
<thead>
<tr>
<th>Week 1</th>
<th>W Jan. 19, 2022</th>
<th>introduction to Earth Science System (Chapter One)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 2</td>
<td>W Jan. 26, 2022</td>
<td>Earth in Space (Exosphere)(Chapter Two) review of physics and chemistry (Chapter Seven)</td>
</tr>
<tr>
<td>Week 3</td>
<td>W Feb. 2, 2022</td>
<td>mineralogy (Chapter Seven) petrology (Chapter Seven)</td>
</tr>
<tr>
<td>Week 4</td>
<td>W Feb. 9, 2022</td>
<td>Plate Tectonics (Chapter Four) Mountains – Orology (Chapter Six)</td>
</tr>
<tr>
<td>Week 5</td>
<td>W Feb. 16, 2022</td>
<td>seismology (Chapter Five) First examination on M 2/21 (through Week 4)</td>
</tr>
<tr>
<td>Week 6</td>
<td>W Feb. 23, 2022</td>
<td>vulcanology (Chapter Six) paleogeology (Chapter Eight)</td>
</tr>
<tr>
<td>Week 7</td>
<td>W Mar. 2, 2022</td>
<td>introduction to the ocean (Chapter Thirteen) geological oceanography (Chapter Thirteen) chemical oceanography (Chapter Thirteen) biological oceanography (Chapter Thirteen)</td>
</tr>
<tr>
<td>Week 8</td>
<td>W Mar. 9, 2022</td>
<td>physical oceanography: ocean currents (Chapter Thirteen) physical oceanography: ocean waves (Chapter Thirteen) coasts and shores (Chapter Thirteen)</td>
</tr>
<tr>
<td>W Mar. 16, 2022</td>
<td>Spring Break</td>
<td></td>
</tr>
<tr>
<td>Week 9</td>
<td>W Mar. 23, 2022</td>
<td>ATMOSPHERE (Ch 14) Second examination on M 3/28(Week 5-8)</td>
</tr>
<tr>
<td>Week 10</td>
<td>W Mar. 30, 2022</td>
<td>ATMOSPHERE (Ch 14) WEATHER (Ch.15)</td>
</tr>
<tr>
<td>Week 11</td>
<td>W Apr. 6, 2022</td>
<td>CLIMATE (Ch.16)</td>
</tr>
<tr>
<td>Week 12</td>
<td>W Apr. 13, 2022</td>
<td>GLOBAL WARMING (Ch. 17) Third examination on M 4/18 (Week 9-11)</td>
</tr>
<tr>
<td>Week 13</td>
<td>W Apr. 20, 2022</td>
<td>More Global Warming</td>
</tr>
<tr>
<td>Week 14</td>
<td>W Apr. 27, 2022</td>
<td>REVIEW</td>
</tr>
</tbody>
</table>

Reading days 5/4 (Wednesday) and 5/5 (Thursday)

**FINAL EXAM** TBD 5/6 – 5/12 Cummulative, ~1/2 same topics as exams1-2 ~1/2 atmosphere, weather climate/climate change
**Spring 2022 Calendar:**

January 18 (T)  First day of class
January 24 (M)  Last Day for 100% Refund, Full or Partial Withdrawal
February 14 (M)  Last Day for 50% Refund, Full Withdrawal
March 7 (M)  Last Day for 25% Refund, Full Withdrawal
March 14-19  Spring Recess Begins - No Classes Scheduled - University Open
April 4 (M)  Last Day to Withdraw
April 15 (F)  Good Friday - No Classes Scheduled - University Closed
May 3 (T)  Friday Classes meet – Last Day of Classes
May 4-5 (W-R)  Reading Days
May 6 – 12 (F-R)  Final Exam week
May 14 (Sat)  Final Grades Due