9. December 21, 2015 – Exam III Results and Final Grades

Exam III was somewhat more difficult than Exams I and II so the mean score was lower by about 7 points.

Range: 31 – 100
Mean: ~75
Approximate grade equivalent:

<table>
<thead>
<tr>
<th>Grade</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;85</td>
<td>A</td>
</tr>
<tr>
<td>74-85</td>
<td>B</td>
</tr>
<tr>
<td>56-73</td>
<td>C</td>
</tr>
<tr>
<td>48-55</td>
<td>D</td>
</tr>
<tr>
<td>&lt;48</td>
<td>F</td>
</tr>
</tbody>
</table>

Grade Distribution:

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Number of Scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 - 100</td>
<td>61</td>
</tr>
<tr>
<td>80 - 89</td>
<td>81</td>
</tr>
<tr>
<td>70 - 79</td>
<td>83</td>
</tr>
<tr>
<td>60 - 69</td>
<td>48</td>
</tr>
</tbody>
</table>
Update on Final Letter Grades: A “curve” was applied to the total points to
determine the letter grade from the point totals. Please note that there
were 530 points possible in the course (Exams – 300; Homework – 170;
Quizzes – 60, after each student’s lowest two quiz scores were omitted
from the total points for quizzes – there were 8 total quizzes for the
semester). Letter grades, using the +/- system (A, A-, B+, B, B-, C+, …)
were assigned from the total points for each student.

Grades are now posted on Blackboard. There were 337 students in the
class and there were 270 A or B grades (A, A-, B+, B, B-) for the semester.
Students who ended up with grades lower than C generally had several
missing assignments and lower than average exam scores.

We hope that you learned some interesting and useful information in Earth
sciences in the course. Best of success to each of you in your future
endeavors!

8. December 8, 2015 – Exam III Information

EAS 100, Planet Earth
EXAM III
Saturday, December 19, 1:00-3:00 p.m., EE 129
(or alternate times by sign-up)

1. Material presented in class after Exam II (covers the Atmospheric
Science section and the beginning of Astronomy – Introduction to
Astronomy, the Solar System, and two methods for calculating the distance
to stars [Appendix D]).

2. You may use one 3”x5” study card (both sides) or equivalent.

3. Format: short answer and multiple choice; 24 questions with some
choice in last section.

Studying for the Exam:

1. Study your notes first (assigned reading in the text should provide
additional information and explanation; use the study guide to the text and
the assigned reading pages from the course outline to guide your study of
the textbook material).
2. **Emphasis is on major concepts** (when you see a section in your notes representing a significant portion of a lecture period, ask yourself, “can I describe this concept or process?”).

3. Try to develop understanding and visualization, not memorization (example: transfer of energy – radiation, conduction, convection).

4. **Read questions carefully**; be sure you know what is being asked before starting to answer.

5. Prepare your study card thoughtfully.

**Also see Posting Number 2** (Sept. 22, 2015) for suggestions for study using the Retrieval Based Learning (RBL Method).

**7. November 23, 2015 – Exam II Results**

Range: 37 – 100  
Mean: ~81

**Approximate grade equivalent for this exam:**

\[ \begin{array}{c|c}
>85 & A \\
76-85 & B \\
58-75 & C \\
44-57 & D \\
<44 & F \end{array} \]

Please see me!

If you wish to look over your test or check on your grade, please see me. You can **estimate** your grade in the course at any time using the simple calculation described in the syllabus (page 2). At the end of the semester, we will convert your point total to a letter grade for the course and will use the +/- system (A, A-, B+, B, B-, C+, …).

**Grade Distribution:**

<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Number of Scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 - 100</td>
<td>70</td>
</tr>
<tr>
<td>80 - 89</td>
<td>134</td>
</tr>
<tr>
<td>70 - 79</td>
<td>79</td>
</tr>
<tr>
<td>60 - 69</td>
<td>33</td>
</tr>
<tr>
<td>50 - 59</td>
<td>10</td>
</tr>
</tbody>
</table>
Exam III (finals week) Schedule:

Exam Schedule (please read this information carefully!):

The EAPS 10000 001 final exam (Exam III) is scheduled for Saturday, 1:00-3:00 p.m., December 19, 2015 in EE 129 (session 7). We will have the exam at that time. However, we also have scheduled alternate exam times that are earlier in the week. These times and locations are listed below.

To take the exam at any of the alternate times, you must sign up for a session by sending a request to L. Braile (braile@purdue.edu). Be sure to include your name, the course section (001, Tu/Th, or lecture course), and the session that you are requesting. You will then receive a confirmation email.

Sessions:

<table>
<thead>
<tr>
<th>Session Number</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mon., 12/14, 1:00-3:00 p.m., HAMP/CIVL 3201 (30 seats)</td>
<td></td>
</tr>
<tr>
<td>2. Tues., 12/15, 1:00-3:00 p.m., HAMP/CIVL 3201 (30 seats)</td>
<td></td>
</tr>
<tr>
<td>3. Tues., 12/15, 3:30-5:30 p.m., PHYS 112 - Large room alternate time</td>
<td></td>
</tr>
<tr>
<td>4. Tues., 12/15, 6:00-8:00 p.m., HAMP/CIVL 3201 (30 seats)</td>
<td></td>
</tr>
<tr>
<td>5. Wed., 12/16, 1:00-3:00 p.m., HAMP/CIVL 3201 (30 seats)</td>
<td></td>
</tr>
<tr>
<td>6. Thur., 12/17, 1:00-3:00 p.m., HAMP/CIVL 3201 (30 seats)</td>
<td></td>
</tr>
<tr>
<td>7. Sat., 12/19, 1:00-3:00 p.m., EE 129 - Regularly scheduled final exam time</td>
<td></td>
</tr>
</tbody>
</table>

* Important Note: Session 3 (above) is open to students in both the EAPS 10000 Y01 (online) and EAPS 10000 001 (Tu/Th lecture) Planet Earth courses. There are different final exams for these two courses, so we will have the students from the two courses sit on different sides of the room for these sessions

5. November 5, 2015 – Exam II Information:

(Note: Lecture Topics Outlines/PPTs link (on the EAPS 100 home page) includes outlines of the lecture material, information about the most
important topics and illustrations in the textbook [assigned reading] and pdf copies of nearly all of the **PowerPoint slides** shown in class – EarthNotes.pdf and OceanNotes.pdf – will be updated Nov. 6

**EAPS 100, Planet Earth**
(Nov. 5, 2015; this information is on the Announcements link on the EAPS 100 Home Page)

**EXAM II**
Thursday, Nov. 12, 1:30-2:45 p.m., EE 129

1. Material presented in class through Nov. 10 (Earth section after Plate Tectonics [after Exam I :Earthquakes and Volcanoes] and the Oceanography section – see syllabus for schedule, topics and assigned textbook reading pages).
2. You may use **one 3”x5”** (That’s ONE card!, or equivalent) study card (both sides, hand-written or computer printed).

**Studying for the Exam:**

1. **Study your notes first** (assigned reading in the text should provide additional information and explanation; use the study guide to the text and the assigned reading pages from the course syllabus to guide your study of the textbook material and your notes).
2. **Emphasis is on major concepts** (when you see a section in your notes representing a significant portion of a lecture period, ask yourself, “can I describe this concept or process?”).
3. **Try to develop understanding and visualization, not memorization** (example: transfer of energy – radiation, conduction, convection; see Figure in text or Intro PPTs).
4. **Read questions carefully**; be sure you know what is being asked before starting to answer.
5. **Prepare your study card thoughtfully**.

Additional suggestions for study/learning and discussion of the Retrival Based Learning(RBL) method are given in the Sept. 22, 2015 posting, below.

4. **October 26, 2015** – Homework, Worksheet assignment, and Final Exam schedule information
Homework and worksheet assignment information has been updated on the **duedates** page, including due dates. Copies of the Hw and Worksheet assignments will be handed out in class.

The **Final Exam** has been scheduled for **Saturday, December 19, 1:00-3:00 p.m., EE 129** – we **will** have the exam at that time. However, we will also schedule some alternate Final Exam times for earlier in the week. **These sessions will be by sign-up only. More information will be provided in class on November 5.**

3. **October 12, 2015** – Exam I Results

Range: 36 – 100
Mean: ~82

**Approximate grade equivalent for this exam:**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
<th>Number of Scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>&gt;86</td>
<td>126</td>
</tr>
<tr>
<td>B</td>
<td>76-86</td>
<td>86</td>
</tr>
<tr>
<td>C</td>
<td>60-75</td>
<td>61</td>
</tr>
<tr>
<td>D</td>
<td>49-59</td>
<td>38</td>
</tr>
<tr>
<td>F</td>
<td>&lt;49</td>
<td>7</td>
</tr>
</tbody>
</table>

If you wish to look over your test or check on your grade, please see me. You can **estimate** your grade in the course at any time using the simple calculation described in the syllabus (page 2). At the end of the semester, we will convert your point total to a letter grade for the course and will use the +/- system (A, A-, B+, B, B-, C+, …).

**Grade Distribution:**

<table>
<thead>
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</tr>
<tr>
<td>60 - 69</td>
<td>38</td>
</tr>
<tr>
<td>50 - 59</td>
<td>12</td>
</tr>
<tr>
<td>40 - 49</td>
<td>7</td>
</tr>
</tbody>
</table>

2. **September 22, 2015** – Exam I Information:
(Note: Lecture Topics Outlines/PPTs link (on the EAPS 100 home page) includes outlines of the lecture material, information about the most important topics and illustrations in the textbook [assigned reading] and pdf copies of nearly all of the PowerPoint slides shown in class – IntroNotes.pdf and EarthNotes.pdf.)

EAPS 100, *Planet Earth*
(Sept. 22, 2015; this information is also on the Announcements link on the EAPS 100 Home Page)

**EXAM I**
Thursday, Oct. 1, 1:30-2:45 p.m., EE 129

1. Material presented in class through Sept. 29 (Intro section, Earth section through discussions of Plate Tectonics – see syllabus for schedule, topics and assigned textbook reading pages).
2. You may use one 3”x5” (That’s ONE card!, or equivalent) study card (both sides, hand-written or computer printed).

**Studying for the Exam:**

1. **Study your notes first** (assigned reading in the text should provide additional information and explanation; use the study guide to the text and the assigned reading pages from the course syllabus to guide your study of the textbook material and your notes).
2. **Emphasis is on major concepts** (when you see a section in your notes representing a significant portion of a lecture period, ask yourself, “can I describe this concept or process?”).
3. **Try to develop understanding and visualization, not memorization** (example: transfer of energy – radiation, conduction, convection; see Figure in text or Intro PPTs).
4. **Read questions carefully;** be sure you know what is being asked before starting to answer.
5. **Prepare your study card thoughtfully.**

**Additional suggestions for study/learning (November, 2013):** Recent psychology research and studies on learning have suggested a new approach for more effective study, learning and understanding. The method is called **Retrieval Based Learning (RBL)** and emphasizes
practicing **recall** or **retrieval** of information rather than simple study techniques such as repeated reading of notes or textbook material. Of course, the available notes (your own or instructor’s materials provided or posted online) and assigned or optional reading (textbook or other materials) need to be studied first before retrieval is possible, but repeated reading, **without practice in recall**, is not as effective as **RBL**. (It also helps to focus on developing an **understanding** of concepts, not just **memorizing** a description. If you have a good **understanding**, you will be able to accurately and clearly describe the concept and evaluate and answer questions related to the concept.)


1. **Spend time practicing retrieval.** Ask yourself questions about the material to test your recall without consulting available notes or textbook or other reading material.
2. **Practice in a “testing environment”** – quiet, focused, timed – not while watching TV, listening to music, etc.
3. **Perform multiple “self-checks”** and exercises such as asking yourself questions about the most important material in the subject area that will be covered on the exam. (A 3x5 “study card” can be a good prompt for the self-check.)
4. **Use group discussion** (or study with one other person) to practice retrieval. **Ask each other questions about the material.**

More information on these strategies and **Retrieval Based Learning** (and references) can be found at: [http://theelearningcoach.com/learning/retrieval-cues-and-learning/](http://theelearningcoach.com/learning/retrieval-cues-and-learning/).

I highly recommend reading the short discussions of the process of retrieval and Retrieval Based Learning on this website. The references to more detailed discussions and research results are also included there.

1. August 19, 2015 - Welcome

**Welcome to Planet Earth, EAPS 100! (also called EAPS 10000 001, CRN 17524).** The Fall semester 2015 class meets in EE 129 Tuesday and
Thursday from 1:30 – 2:45 p.m. You can find course information online at the EAPS 100 home page: http://web.ics.purdue.edu/~braile/eas100/eas100home.htm. The syllabus/course outline has the most important information for the course. If you need to contact me, please see me in class or during office hours, or use the following email address: L. Braile - braile@purdue.edu (note only one “l” in braile). Also, when you send an email, please let me know that you are in the lecture course (as there is also an online version of EAPS 10000) by noting “EAPS 10000 001”, or "lecture" or "Tu/Th" in your email. Thanks.

Textbook Information:

TEXTBOOK: *Foundations of Earth Science*, 7th Edition, Lutgens and Tarbuck, 2014 (be sure to get the 7th edition; it is possible to use the 6th edition – the content is almost all the same – but it takes some extra work because not all page numbers and figure numbers are the same in the two editions). There is a brief Study Guide to the 7th edition (http://web.ics.purdue.edu/~braile/eas100/studyguide7th.pdf) textbook. If you use the 6th edition, a study guide is available at: http://web.ics.purdue.edu/~braile/eas100/studyguide.pdf. You can obtain the textbook from local bookstores or you can purchase new or used copies online (such as amazon.com). It is also possible to rent an eText version (digital access for 6 months) of the text from coursesmart.com or other online sources. More information on editions, options and obtaining the textbook can be found at: http://web.ics.purdue.edu/~braile/eas100/Textbook.2014.pdf

Another Course (optional, separate companion course to EAPS 10000 001 *Planet Earth* or EAPS 10000 Y01 *Planet Earth* online) is EAPS 19100 Y01 *Planet Earth Laboratory*, 1 credit online laboratory course, if interested:

If you need an additional one-credit course, need a science lab course (to satisfy a lab science course requirement; to add a lab unit to the non-lab EAS or EAPS 10000 course), or are just interested in geoscience, you might be interested in the one credit *Planet Earth Laboratory* online course (EAPS 19100 Y01 *Planet Earth Laboratory* online course, CRN 59911) that is also offered this semester. It is a 1-credit *online* course that is equivalent to a typical 3-hour in-class lab associated with a 3-credit science course. *(Note: Although the EAPS 19100 Y01 course is only one credit, it is similar to an on-campus lab course that requires about 3 hours per lab (one lab per week in the Fall or Spring semesters) of in-class work plus some study and preparation time). The EAPS 19100 *Planet Earth Laboratory* course can be taken with EAPS 10000 Y01 *Planet Earth* online, EAPS 10000 *Planet Earth* (regular lecture course), but can also be taken separately.

The recommended textbook resource (*not required* for EAPS 19100 Y01 *Planet Earth Laboratory*) for the Lab course is the Lutgen and Tarbuck *Foundations of Earth Science* book (the 7th edition is required for the EAPS 10000 course, but the 5th or 6th edition will also work for the EAPS 19100 laboratory course) that we use for EAPS 10000 Y01 or EAPS 10000 001.

Additional announcements will be added to this page during the semester. Please check this page for updates and information about exams, etc.