

## GEOG 3443: Environment & Society Final Project

Deliverables at a glance:	Due	Worth	See Page
1. Start group Google Doc (invite Dr. Person)	ASAP	-	1
2. Identify 3 Objects of Concern	Sept. 12	-	1
3. Complete Outline of Project	Oct. 19	25%	2, 4-8
4. Discussion Board Post about Final Project	Nov. 9 & Nov. 14	6%	2
5. Complete Final Project – Written Form	Nov. 28	45%	2, 9-10
6. Poster Files Due	Nov. 28	<i>Completion</i>	2, 11
7. Read and Comment on other Groups' Chs.	Dec. 3	4%	2-3, 12
8. Final Project - Presentations	Dec. 5	20%	11

### Objectives:

In this final project, you will apply the approaches and perspectives mastered during “Part 1” of this course (Robbins et al., Chapters 1-8) to an object of concern. The final result will demonstrate your ability to situate an object of concern with respect to a range of factors, including social, economic, and ecological dynamics.

### Overview of Project:

The final deliverable will take the form of a chapter, written by your group, that could fit into “Part 2: Objects of Concern” of Robbins et al.’s text (our course textbook). Part 2 of the textbook frames particular objects in terms of the approaches and perspectives learned in “Part 1.” This chapter will be published in an open access repository online, such as SHAREOK or similar.

### Final Project Research Guide:

Each group will be working with the Graduate Research Guide (GRG). In addition to communicating with the GRG on your Google Docs, each group will meet with her outside of class during the semester. The GRG will arrange these meetings with your groups. Group members that do not attend these meetings will not earn individual participation points for the final project:

- The first **GRG meeting** will occur sometime during the period spanning Weeks 5 & 7.

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### Working in assigned groups, you will:

1. **Start a group Google Doc, and name it “Group [#] – Final Project.”** All members of the group must have access to this document, and Dr. Person ([a@ou.edu](mailto:a@ou.edu)) must be invited to join as well. The Google Doc format allows you to collaborate in the writing of your chapter, and also gives Dr. Person insight into how well the work is being divided up and who is taking the time to edit and comment. **\*\* Note: It is important that you make sure that, when you are completing your piece of the project, you are logged into Google as yourself so that you earn credit for your portion of the work. \*\***
  - **Due:** Carrie (GRG) will do this and send you invites once final groups are set.
2. **Identify objects of concern** that your group would be interested exploring in depth. From this list, Dr. Person will select one for your group to pursue. These objects must differ appreciably from those explored in the course text (i.e., they must not be related to carbon dioxide, trees, wolves, uranium, tuna, lawns, bottled water, French fries, or E-waste). You will definitely want to look ahead in the book to see how the objects of concern are treated before you commit to your list of three possible objects.
  - **Due:** Sept. 12 (In class)

- **Percent of project:** N/A
3. **Submit a chapter outline** (specific rubric and required outline format will be discussed during the 4<sup>th</sup> class meeting) that details your approach to your object of concern, as well as the info boxes you will include, the key terms you will include, the end of chapter exercises, and your preliminary lists of references and recommended readings. This outline also denotes who is taking the primary lead on which elements of the chapter. Again, you will definitely want to look ahead in the book to see how the objects of concern are treated, and use this framework as a model for your group's chapter. **\*\* Note: much of the work of assembling your chapter comes about as a part of preparing this outline. This is a significant portion of the assignment. Groups will discuss these outlines with the GRG when they meet with her between Feb. 16 and Mar. 2 outside of class time. \*\***
    - **Due:** Oct. 19 (Google Doc and Posted to Canvas)
    - **Percent of project:** 20%
    - **Evaluation:** See outline rubric\*; group members may earn different numbers of points based on each individual's level of Google Doc participation.
  4. **Submit a draft of your section of the final project chapter** to the Canvas discussion board. Each group member will submit a draft of their section of the final project chapter to the Canvas discussion board. This must be a complete draft. Afterwards, each person must comment on two peers' drafts, posted to the discussion board.
    - **Draft Due:** Nov. 9 (Posted to Canvas Discussion Board)
    - **Comments Due (x2):** Nov. 14 (Posted to Canvas Discussion Board, 120 words, min. ea.)
    - **Percent of project:** 3%
    - **Evaluation:** Drafts and comments will be evaluated on the basis of their completeness, depth of analysis, and constructive nature.
  5. **Submit your group's final chapter** exploring your object of concern. While the chapter must be prepared in Google Docs, the final chapter should be formatted in a manner similar to the layout of the course text, using MS Word. One person from each group should upload two copies of your final chapter to the "Final Project" dropbox (a DOC file and PDF file) by the due date. **See Addendum A\* for the specific chapter requirements, which will be circulated and discussed during the GRG meeting.**
    - **Due:** Nov. 28 (Canvas Dropbox)
    - **Percent of project:** 45%
    - **Evaluation:** See the chapter requirement rubric, Addendum A.\*
  6. **Turn in Poster File.** All groups must submit their final project poster files to Canvas. See Addendum B\* for PPT requirements.
 

**Due:** Nov. 28 (Canvas Dropbox)

**Evaluation:** Posters presentations will be evaluated as part of your presentation score. Late posters will result in the subtraction of points from your presentation grade, 3 pts./day late.
  7. **Read and comment on peers' chapters.** Dr. Person will share groups' final chapters on Canvas or during class. Each student will be assigned a chapter to read and comment on. The comment format will be circulated and discussed later in the semester.
    - **Due:** Provide feedback on peers' work by Dec. 3.
    - **Percent of project:** 4%

- **Evaluation:** See Addendum C\* for rubric. Each individual's comments will be evaluated based on the thoughtful/thorough nature of her/his comments; group members may earn different numbers of points on this activity.
8. **Presentation.** On the date listed below, each group will present content from their chapter during a formal poster session attended by faculty and members of the campus community. Following each presentation will be a question and answer period, in which the “audience” will ask the chapter authors questions about the chapter's content.
- **Due – Poster Presentations:** Dec. 5
  - **Percent of project:** 20%
  - **Evaluation:** See Addendum B\* for rubric, which will be discussed later in the semester. Each individual's portion of the presentation will be evaluated based on his or her delivery of the information, and points will be awarded to the group as a whole based on the overall cohesiveness and quality of the presentation.
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\* **NOTE:** Addenda and rubrics will be shared during a later class meeting.

## Chapter Outline Rubric

Points Possible	Points Earned	Requirement
1 pt.	_____	<b>Identify object of concern.</b>
40 pts.	_____	<p><b>Identify sections of your chapter</b> and write a 100 word introduction to each. One person from your group will be responsible for each of these sections, not including the conclusion, which is co-written. The group is responsible for quality control for all sections.</p> <p><b>Required sections (3):</b></p> <ol style="list-style-type: none"> <li><b>Introductory section that tells a short story</b> encapsulating why the object of concern matters (ex. “Chained to a Tree in Berkeley, CA” on p. 164 of Robbins et al.)</li> <li><b>A short history of the object of concern</b></li> <li><b>A concluding section</b> titled “The [object of concern] Puzzle” (ex. “The Wolf Puzzle on p. 199) <b>This section must be co-written by the group as a whole</b></li> </ol> <p><b>And 3-4 of the below sections (depending on number of people in group):</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> A section that relates issues of <b>ethics, justice, and equity</b> to the object</li> <li><input type="checkbox"/> A section that relates issues of <b>political economy</b> to the object</li> <li><input type="checkbox"/> A section that relates issues of <b>population and scarcity</b> to the object</li> <li><input type="checkbox"/> A section that relates issues of <b>social construction</b> to the object</li> <li><input type="checkbox"/> A section that relates issues of <b>risks and hazards</b> to the object</li> <li><input type="checkbox"/> A section that relates issues of <b>markets and commodities</b> to the object</li> <li><input type="checkbox"/> A section that relates issues of <b>institutions and commons management</b> to the object</li> </ul>
15 pts.	_____	<b>Identify and define the chapter’s key terms</b> (2 terms per group member); 30-50 words/definition.
10 pts.	_____	<b>Identify info box topic</b> (“Environmental Solution?”) and write a 100-word introduction to the topic (see p. 171 for the box included in the “Trees” chapter as an example)
15 pts.	_____	<b>Provide 3 end of chapter exercises</b> (100 words each), see p. 161 of Robbins et al. for an example with CO2 as the object of concern.
10 pts.	_____	<b>Provide a preliminary lists of references</b> (2 per section, not including conclusion; 12 references total), see p. 162 of Robbins et al. for formatting guidelines.
5 pts.	_____	<b>Provide a list of recommended readings</b> (6 per chapter; one per person)
4 pts.	_____	<b>Assign each of the above requirements to specific group members.</b>

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100 pts. total, which contribute 20 percent to the overall Final Project grade

## Chapter Outline Format

**NOTE:** Download this outline (it's a Word DOC posted to Canvas) and paste content from your group Google DOC directly into it. It is critical to review the Chapter Outline Rubric prior to completing your outline to ensure you're meeting the requirements.

**Group member names:**

**I. Identify object of concern (1 pt.):**

**II. Identify sections of your chapter. Write a 100 word introduction to each section (not including the conclusion) and provide 2 preliminary references (40 pts. for section introduction; 10 points for references):**

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**Introductory section that tells a short story.**

Introduction (100 words):

References for Section 1 (2 required):

Name of person who outlined and is writing section 1:

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**Short history of the object of concern.**

Introduction (100 words):

References for Section 2 (2 required):

Name of person who outlined and is writing section 2:

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**Section 1 Topic:**

Introduction (100 words):

References for Section 3 (2 required):

Name of person who outlined and is writing section 3:

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**Section 2 Topic:**

Introduction (100 words)

References for Section 4 (2 required):

Name of person who outlined and is writing section 4:

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**Section 3 topic:**

Introduction (100 words):

References for Section 5 (2 required):

Name of person who outlined and is writing section 5:

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**Section 4 topic:**

Introduction (100 words):

References for Section 6 (2 required):

Name of person who outlined and is writing section 6:

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III. **Identify and define the chapter's key terms – 2 per person (15 pts.):**

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**Term 1:**

**Term 2:**

Name of person who defined 1 & 2:

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**Term 3:**

**Term 4:**

Name of person who defined 3 & 4:

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**Term 5:**

**Term 6:**

Name of person who defined 5 & 6:

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**Term 7:**

**Term 8:**

Name of person who defined 7 & 8:

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**Term 9:**

**Term 10:**

Name of person who defined 9 & 10:

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**Term 11:**

**Term 12:**

Name of person who defined 11 & 12:

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- IV. **Identify info box topic** (“Environmental Solution?”) and write a 100-word introduction to the topic (see p. 171 for the box included in the “Trees” chapter as an example) **(10 pts.):**
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**Info box topic:**

Info box - 100 word introduction:

Name of group member(s) who wrote intro and will write the final box:

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- V. **Provide 3 end of chapter exercises** (100 words each), see p. 161 of Robbins et al. for an example with CO<sub>2</sub> as the object of concern **(15 pts.):**
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**Exercise 1:**

Name of person who wrote exercise 1:

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**Exercise 2:**

Name of person who wrote exercise 2:

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**Exercise 3:**

Name of person who wrote exercise 3:

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- VI. **Provide a list of recommended readings** (6 per chapter, one per person)

**Recommended reading 1:**

Name of group member(s) who identified recommended reading 1:

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**Recommended reading 2:**

Name of group member(s) who identified recommended reading 2:

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**Recommended reading 3:**

Name of group member(s) who identified recommended reading 3:

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**Recommended reading 4:**

Name of group member(s) who identified recommended reading 4:

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**Recommended reading 6:**

Name of group member(s) who identified recommended reading 4:

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**Recommended reading 6:**

Name of group member(s) who identified recommended reading 4:

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## Addendum A: Final Chapter Learning Outcomes and Assessment

**Note:** Your final chapter should be formatted to appear as a textbook chapter. To this end, it is your responsibility to study the way the course text is formatted, understand why the authors/editors organize it in the way that they do, and to execute your final product in a similar, polished fashion.

This means that you will need to start laying out your content ahead of time, and that you will want to have your text, images, and extra matter (like key terms) finalized with enough time left to finish formatting your chapter. Though it can be tricky as a platform for laying out publications, MS Word is the preferred program for this assignment, as everyone is able to access it on OU computers (and, likely, on your personal computers).

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### Learning Outcomes, Final Chapter:

- 1) Plan a research and writing project in coordination with a small group of other scholars, including the Research Guide
  - 2) Read published literature and extract relevant information
  - 3) Apply course concepts to analyze how an object of concern relates to environmental and social issues
  - 4) Publish your analysis in the format of, and to the standards of, a professional publication
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### Submission Guidelines:

One person from each group should upload two copies of your final chapter to the “Final Project” dropbox (a DOC file and PDF file) by the due date. In addition, upload a separate document that lists which group member is responsible for which portion of the below requirements. Be specific.

**Due:** Oct. 19, 11:59 PM

**Worth:** 45% of Final Project Grade

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### Learning Outcome Assessment, Final Chapter:

Points Possible	Points Earned	Requirement
90 pts./ 105 pts.		<b>Chapter Sections</b> (7 sections if in a group of 7, 8 sections if group of 8.). One person from your group is responsible for each of these 7-8 sections. The group as a whole is responsible for quality control for each of these sections. <u>Minimum of 1,000-1,200 words each section.</u> (105 pts. if group of 7; 120 points if group of 8)

#### Required sections (3 sections; 15 pts. ea.):

- \_\_\_\_\_ **Introductory section that tells a short story** encapsulating why the object of concern matters (ex. “Chained to a Tree in Berkeley, CA” on p. 164 of Robbins et al.)
- \_\_\_\_\_ **A short history of the object of concern**
- \_\_\_\_\_ **A concluding section** titled “The [object of concern] Puzzle” (ex. “The Wolf Puzzle” on p. 199). This must be placed at the end of your chapter.

And 4-5 of the below sections (4 for a group of 7; 5 for a group of 8; 15 pts. ea.):

- ☐ \_\_\_\_\_ A section that relates issues of **ethics, justice, and equity** to the object
- ☐ \_\_\_\_\_ A section that relates issues of **political economy** to the object
- ☐ \_\_\_\_\_ A section that relates issues of **population and scarcity** to the object
- ☐ \_\_\_\_\_ A section that relates issues of **social construction** to the object
- ☐ \_\_\_\_\_ A section that relates issues of **risks and hazards** to the object
- ☐ \_\_\_\_\_ A section that relates issues of **markets and commodities** to the object
- ☐ \_\_\_\_\_ A section that relates issues of **institutions and commons management** to the object
  
- 5 pts. \_\_\_\_\_ **Key terms list is provided at the beginning of the chapter, and these terms, with definitions, are provided throughout the chapter.** Include 14 key terms if in a group of 7; 16 key terms if in a group of 8; 30-50 words/definition. (Same as the key terms included in your outline.)
  
- 5 pts. \_\_\_\_\_ **Info box is formatted well within the chapter, and includes an image.** See p. 171 for an example of the “Environmental Solution?” box.
  
- 5 pts. \_\_\_\_\_ **End of chapter exercises are formatted well at the end of the chapter.** (100 words each) See p. 161 of Robbins et al. for an example with CO2 as the object of concern. (Same exercises you included in your outline.)
  
- 15 pts. \_\_\_\_\_ **Final list of references is well-formatted, all sources are cited.** 2 references per section, minimum, including the info box; 14-16 references total, minimum; see p. 162 of Robbins et al. for formatting example. All images are cited and are open access (ex., have creative commons license, so they can be published online).
  
- 5 pts. \_\_\_\_\_ **Recommended reading list is formatted well.** Four recommended readings per chapter. (Same list you included in your outline.)
  
- 5 pts. \_\_\_\_\_ **Above requirements are designated to specific group members.** To earn these points, upload a list detailing who completed which portions of the assignment, along with your Final Project chapter files, to Canvas.
  
- 20 pts. \_\_\_\_\_ **Individual points.** These points will be different for every group member. To earn these points, you must demonstrate an active presence on your final project Google Doc (so it is important to log in with your own username), commenting on others’ work, editing, uploading content and ideas. If I find that I need additional information to assign these points fairly, I will provide group members with evaluation sheets, so that you may evaluate one another’s contributions to the final product. If necessary, these peer evaluations will be factored into the final individual points.

#### FINAL

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_____	<b>150 pts. possible (group of 6); contributes 45 percent to the Final Project grade</b>
_____	<b>165 pts. possible (group of 7); contributes 45 percent to the Final Project grade</b>

## Addendum B: Presentation Rubric

**Posters Due:** Post to Canvas on Nov. 28.

### POSTER

Points Possible	Points Earned	Requirement
<i>Completion Grade</i>	_____	<b>PPT/PDF of poster turned in on time</b> (posted to Canvas on due date) <b>Note:</b> 3 pts./day late will be subtracted from overall presentation grade
25 pts.	_____	<b>Poster thoughtfully follows “Poster Design Advice” linked here:</b> <a href="http://indwes.libguides.com/posterpresentations">http://indwes.libguides.com/posterpresentations</a>
10 pts.	_____	<b>Visual aids:</b> Thoughtfully selected, easy-to-see photos and diagrams accompany your poster (min. 6 images/diagrams included and properly cited on poster)
10 pts.	_____	<b>Conforms to template found here:</b> <a href="http://bit.ly/2eKIZFS">http://bit.ly/2eKIZFS</a> ( <a href="#">Source</a> )

### IN-CLASS PRESENTATIONS

**Each group’s poster will be presented in its entirety by two or three group members at a time.** While these members are presenting, the other group members will be travelling to visit the other groups’ posters. We will do this in timed shifts, with 30 minutes dedicated to each shift. During each shift, the group members will present their poster 2 times, and answer questions after each presentation (EX: Shift 1a: 8-10 minute presentation, 5-minute Q&A; rotate audiences; Shift 1b: 8-10 minute presentation; 5-minute Q&A; rotate presenters & audiences, begin Shift 2a and so on). **We will rotate presenters 3x and audiences 6x** (see next page for presenter sign up).

25 pts.	_____	<b>Overall presentation cohesiveness:</b> Group provides a cohesive presentation that indicates preparation and practice. Transitions are smooth, and the audience receives a full picture of key issues relating to the object of concern.
20 pts.	_____	<b>Individual presentation quality:</b> Presenter thanks the previous speaker; makes eye contact with audience; speaks confidently and clearly on the topic, indicating high level of preparation (introduces her/his topics, provides detail, asks rhetorical questions, and concludes with a brief recap); and introduces the next speaker. <b><u>AND presenter follows presentation tips listed here:</u></b> <a href="http://bit.ly/2e4sPaw">http://bit.ly/2e4sPaw</a>
5 pts.	_____	<b>Presentations are a minimum of 8-10 minutes.</b> Two of these 8-10 presentations will be given during each 30 minute presentation shift, with 5 minutes for questions and answers after each presentation.
5 pts.	_____	<b>Presentation takes into account questions/concerns raised in peer comments on chapter content.</b>

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**100 pts. total, which contribute 20 percent to the overall Final Project grade**

## Presenter sign-up – Final Project Presentations

- Final presentations: Dec. 5, 6:00 – 7:30 pm
- Arrive at 6pm, sharp, to set up for your presentation.

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GROUP NO. \_\_\_\_\_

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### Shift 1a & 1b (6:15 pm – 6:45 pm)

- 6:15 pm – 6:30 pm (Shift 1a)
- 6:30 pm – 6:45 pm (Shift 1b)

Presenter 1: \_\_\_\_\_

Presenter 2: \_\_\_\_\_

Presenter 3: \_\_\_\_\_

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### Shift 2a & 2b (6:50 pm – 7:30 pm)

- 6:50 pm – 7:05 pm (Shift 2a)
- 7:05 pm – 7:30 pm (Shift 2b)

Presenter 4: \_\_\_\_\_

Presenter 5: \_\_\_\_\_

Presenter 6: \_\_\_\_\_

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During the shifts in which you are not presenting, you will act as audience members for other groups (not your own group).

## Addendum C: Question/Comment Rubric

**Questions and comments due:** Dec. 3 to Canvas.

**All final chapters are due, e-mailed to Dr. Person ([a@ou.edu](mailto:a@ou.edu)), on the due date.**

After reviewing them, I will post them to Canvas to serve as our required readings for the next class period (Dec. 4). Chapters and/or posters are assigned as follows:

- If you are in group 1, you will read and comment on group 2's work.
- If you are in group 2, you will read and comment on group 3's work.
- If you are in group 3, you will read and comment on group 4's work.
- If you are in group 4, you will read and comment on group 5's work.
- If you are in group 5, you will read and comment on group 1's work.

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**On the above day, you will receive credit for participation that counts as 7% of your final project grade. This credit is earned in the following ways:**

Your two questions and two comments related to the assigned group's chapter. These must be prepared prior to your coming to class and submitted to the correct discussion board before the start of class that day (links to google docs will be posted on Canvas with the readings). Be sure to include your name with your comments/questions and to be respectful and constructive in your feedback, keeping in mind that it will inform the polishing of final presentations.

**Note:**

- Each individual's comments will be evaluated based on the thoughtful/thorough nature of her/his comments;** group members may earn different numbers of points on this activity.
- Groups are responsible for addressing important questions and comments in their final presentations.** (Groups will decide which comments they will specifically address in their final presentations and indicate this decision by highlighting these questions/comments in the pertinent google doc before the Final Presentation day.)