**Food Security Homework by Date**

**Food Security Day 1 Homework for [put date here]**

1) When you hear the words food security, what images, places, characteristics come to mind? Spend a few minutes writing your impressions (a couple sentences). You could also search for images that illustrate your thoughts. Paste those images into your word document. **Submit your response to D2L**.

2) Read Student Handout on Food Security as a pre-class homework/reading assignment. (Student Handout will include information defining and explaining the key concepts of this unit, i.e. food security, malnutrition, and global food network.)

3) Once you’ve read the handout, take the online quiz called Food Security under the D2L Assessments drop down menu. Then select Quizzes. Be sure to use your reading to answer the 5 multiple choice questions.

4) Review AGO 5x5 (from earlier in the semester). Make sure you have your login and password ready for class.

**Food Security Day 2 Homework for [put date here]**

1) Review Wicked Reading

2) Review Earth System Science Tutorial

3) Bring to class assignment on Slide 49. Print out.

**Food Security Day 3 Homework for [put date here]**

1) Work through Self-guided tutorial, Understanding the Climate System

2) Complete writing assignment from Slide 21.

3) To obtain background understanding of traditional cocoa production to prepare for the in-class mapping activity, read <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3109247/> focusing specifically on (Abstract, Introduction, Different Disciplines, Different Explanations; Conclusion). Be prepared to discuss cocoa production in class, prepare one or two points you wish to contribute to the discussion.

**Food Security Day 4 Homework for [put date here]**

Complete background reading on assigned region and come prepared to begin your regional case study work. Each assignment includes questions you will use to focus your thinking and prepare you for group work during class.

**Final PowerPoint Due [put date here]**

Student teams will present an action plan (one group member will submit to D2L) to the class based on the following prompt. **Students should reference the complete assignment guide that includes the grading rubric.**

Students are part of a special ad hoc committee that has been assigned to create a PowerPoint presentation describing the context of the Wicked Problem of food security and the potential solutions for their case study region.

PowerPoint Audience: 1) Mayor of New York City; 2) Governor of Nebraska;
3) CARICOM–Council for Human and Social Development

The presentation should incorporate and consider:

1) Assigned readings/additional outside research (at least 3 outside sources) properly cited and attributed.

2) A description of a system and a model that connects the Earth system to the global food system utilizing systems terminology (see Unit 2).

3) Two maps based on the analyses of the ArcGIS Online Activity (see Unit 5) with an explanation of each map.

4) Factors influencing food security, particularly the effects of climate change, in the region (See Unit 1 and Unit 3).

5) At least two proposed solutions.

Last half of class will consist of assessment essay.