Climate Change and Violent Conflict   
SISU 350.001, Fall 2013

Friday 11:45AM -- 02:25PM   
08/26/13 -- 12/16/13

Week-by-Week Planning

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| Class Dates and Focus | Assigned/ Due | Class Learning Topics | Readings, Viewings, and Listening’s |
| **Week 1-1, August 30** 1a. Introduction |  | Introductions, Syllabus and Weekly Planner | Posted Syllabus and Weekly Planner on course BB site under “Course Information”. |
| 1-2. Class Products and Tools  (Lab Session) | Assigned #0>> Discuss Case Study Topic | Introduction to Cases and Software (Lab 1) | Read>>ICE Web Site: <http://www1.american.edu/ted/ICE/iceall.html> |
| **Week 2, September 6**  2-1. Climate and conflict Views | Due #0> > Case Study Topic | Compare/Contrast: Lee, Saleyhan, Gleditsch | Read>> Lee, Chapter 1, “Climate Change War”, (pp. 1-23) Read>> Saleyhan, “No Consensus Yet” (Class BB Site>Articles #1) Read>> Gleditsch, Climate and Conflict” (Class BB Site>Articles #2) Read>> Geoff Dabelko ,“Avoid Hyperbole”, Bulletin of the Atomic Scientists  <http://www.thebulletin.org/web-edition/op-eds/avoid-hyperbole-oversimplification-when-climate-and-security-meet> |
| 2-2. Setting your case  (Lab Session) | Assigned #1>> Case Study Topic | The Case Study and the Template (Lab 2) | Read>> ICE Template: <http://www1.american.edu/ted/ice/tempice.htm> Read>> About Case Studies: <http://www1.american.edu/ted/class/cstudy.htm> Read>> Coding ICE Cases, Categories: <http://www1.american.edu/ted/class/codingice.html> |
| **Week 3, September 13**  3-1. When Nature was in Control | Due Assign #1> Case Study Proposal | Compare/Contrast:  Lee, Ruddiman | Read>> Lee, Chapter 2, “History: The Holocene” (pp. 24-33) Read>> Ruddiman, Chapters 1-2, pp 1-64, Nature in Control |
| 3-2. How to Create Causal Loop Diagram in DIA |  | Dia Diagrams and Picassa Graphic Editing | View>> Livia on Dia <http://vimeo.com/23593821> View>> Dia Tutorial <http://www.youtube.com/watch?v=FVsvsrzxmnI> Download>> Picasa: <http://picasa.google.com/> Dia: <http://dia-installer.de/>  See BB course folder “Causal Loops” |
| **Week 4, September 20**  4-1. The Medieval Climate Optimum | Assigned #2>> Causal Loops | Compare/Contrast: Lee, Ruddiman, and Fagan | Read>> Lee, Chapter 2, “History: Medieval Optimum” (pp. 34-42) Read>> Fagan, Chap. 1, “A Time of Warming”, pp. 1-21 Read>> Ruddiman, Chaps 2-4 (pp. 65-150), Humans begin Control |
| 4-2. Creating Causal Loops |  | Concepts of Causal Loops in class | View>> From BB Course site, “Causal Diagrams”, PowerPoint, Causal Loops Tab, Item #1  Read>> Systems <http://thesystemsthinker.com/tstgdlines.html> (see the other tabs under this site as well such as guidelines or creating diagrams) |
| **Week 5, September 27**  5-1. Comparing Historic Cases (1) | Assigned>> History (Assignment #3) | Compare/Contrast: Fagan, Matching Cases in Old World | Read>> Fagan (pp. 22-119) |
| 5-2. Qualitative Research |  | Methods of Text Analysis | Using the ICE Search Engine, the Coded Categories |
| **Week 6, October 4**  6a. Making Maps |  | Is a Picture Worth a Thousand Words? | View>> (Class BB Site>Data Visualization folder>How Much is Picture Worth? (Powerpoint) |
| 6-2. Google Earth Training (Lab Session) | Due>>  Causal Loops (Assign #2)  Assigned>>  Maps (Assign #4) | Google Earth Work (Lab 4) | View>> BB folder: Data Visualization, Google Earth Training videos Google Earth: <http://earth.google.com/> World Mapper: http://www.worldmapper.org/ Gapminder: <http://www.gapminder.org/world/>  Note: ISA-ISSC conference on Security at GWU in DC is Oct. 5-6. |
| **Fall Break, October 11** |  |  |  |
| **Week 7, October 18**  7-1. Dreamweaver Basics  (Lab Session) | Due>>  History (Assign #3) | Dweaver #1 Basics Properties Links Graphics | View>> Using Lynda.com, See Modules Document (BB-W) See>> HTML: <http://www.htmlcodetutorial.com/quicklist.html> See>> http:// [www.htmlcodetutorial.com/quicklist.html](http://www.htmlcodetutorial.com/quicklist.html) |
| 7-2. Transition Climate Period |  | Compare/Contrast: Fagan, Matching Cases in New World | Read>> Fagan (pp. 120-end) Group comparisons |
| **Week 8, October 25**  8-1. Modern Cases | Due>> Maps (Assignment #4) | Modern Cases of Climate Change and Conflict | Read>> Lee, Chapter 2, Little Ice Age pp. 43-50 Read>> Ruddiman, Chapters 3 and 4, pp. 65-150 Read>> Lee, Chapter 2, Anthropocene Cases (pp. 51-65) Read>> Ruddiman, Chapters 4-end (pp. 151-end) |
| 8-2. Modern cases | Climate Change Negotiations Update |  | Guest speaker: Sikina Jinnah, professor in SIS |
| **Week 9, November 1**  9-1. Forecasts of Climate Change and Conflict | Due>> Region Forecast (Assign #7) | Humans and Human Security | Read>> (Class BB Site>Articles #4)  CNA, National Security and the Threat of Climate Change  <http://www.cna.org/nationalsecurity/climate/>  Guest Speaker, Marcus King, GW |
| 9-2. Climate Forecasts | Near, Medium, and Long-Term | Forecasts | Read>> Lee, Chapter 3, Forecasts (pp. 66-116) Read>>(Class BB Site>Articles #10) Rubel and Kottek, “Observed and Projected Climate Shifts” |
| **Week 10, November 8**  10-1. Population and Food Forecasts |  | Scenarios | Read>> Lee, Chapter 4, Scenarios (pp. 117-147) Read>> (Class BB Site>Articles #7) Delphi Technique Read>>IFPRI Food Production to 2050, <http://www.ifpri.org/book-775/ourwork/researcharea/climate-change/case-maps> |
| 10-2. Dreamweaver Session 2 |  | Dreamweaver: (Lab 5) | Embedding Videos, Hot Spots |
| **Week 11, November 15**  11-1. Scenarios of Climate Change |  | Interpreting Climate Trends and Relation to Conflict | Read>> Lee, Chapter 5, Policy Implications (pp. 148-170)  Read>> (Class BB Site>Articles #3)  “Implications of Climate Change for Armed Conflict”,  Halvard Buhaug, Nils Petter Gleditsch & Ole Magnus Theisen Read>> (Class BB Site>Articles #5)  Barnett and Adger, “Climate change, security and conflict” Read>> (Class BB Site>Articles #6)  “Warming increases the risk of civil war in Africa”, Marshall B. Burkea, Edward Miguel, Shanker Satyanathd, John A. Dykemae, and David B. Lobellb |
| 11-2. Dweaver Quiz | Due>>  D-weaver Self-test (Assign #5) | (Lab 6) | Self-test Quiz found in BB Assignment Manager, Answers in DW folder on BB site. |
| **Week 12, November 22**  12-1. Scenarios of Climate Change |  | Future Jeopardy | The Role of Demography |
| 12-2. Cold War Push |  |  | Read>>Laurence C. Smith, The World in 2050, Part I, the Push, pp. 1-122 |
| **Week 13, November 19**  13-1. Cold War Pull |  |  | Read>>Laurence C. Smith, The World in 2050, Part I, the Push, pp. 123-end |
| 13-2. Preparing for the Virtual Conference |  | Working Session (Lab 7) | The Virtual Conference and Class Web sites |
| **Thanksgiving, November 29** |  |  | No class November 30 |
| **Week 14, December 6**  14-1. Climate and Security in the Long-Term |  | The Anthropocene | Read>>(Class BB Site>Articles #8) Stetten, Grinevald, Crutzen, and McNeill, ”The Anthropocene: Historical and Conceptual Perspectives”  Read>>(Class BB Site>Articles #9) Smith and Cox, “Emergent Dynamics of the Climate-Economy System in the Anthropocene” (neither posted on BB) |
| 14-2. Assessing the Cases  (Lab Session) |  | Work on Cases and Forecast Project (Lab 8) | Lab |
| **Final, December 13** (same time) | Due>> ICE Case Study (Assign #6) | | Final Meeting Presentations on Cases and Forecasts |