

## POL 444: Global Risk Politics

Syllabus updated 2020-01-27. Total pages 3262

Prof. Alex Montgomery

[ahm@reed.edu](mailto:ahm@reed.edu)

(503) 517-7395

Class	Office
W 6:10-9:00 Vollum 126 <a href="https://moodle.reed.edu/course/view.php?id=2903">https://moodle.reed.edu/course/view.php?id=2903</a>	Th 3:00-5:00 or by appointment Vollum 317 <a href="http://alexmontgomery.com">http://alexmontgomery.com</a>

### Course Description and Goals

Full course for one semester. This course investigates the politics of global risks—challenges, some created by humans and others by nature—that have the potential to drastically alter human civilization, the planet, or life itself. Such “apocalyptic” risks include extreme climate change, ecological catastrophes, global pandemics, nuclear war, artificial intelligence, and asteroid impacts. The course will analyze these nascent Armageddons using a variety of theoretical perspectives including the precautionary principle, the social construction of risk, normal accidents theory, and concepts of high-reliability operations. Prerequisites: junior standing and Political Science 240, or consent of the instructor. Conference.

### Requirements

#### *Class Participation*

Students are required to actively participate in the class; they will have the opportunity to do so both during and outside of classroom hours. Good participation involves—among other things—listening carefully to others, referring or responding to the previous speaker’s comments, and asking questions in addition to or instead of making statements. There *is* such a thing as bad participation. This includes—but is not limited to—interrupting others, dominating conversations, and conducting ad hominem attacks.

Starting the next time we meet, every student will author a short ( 250-500 words) reaction memo. The memos are not meant to be summaries of the articles or books. Instead, they are intended to help you organize your ideas and to help situate the readings vis-a-vis each other for that day as well as the course thus far. Your memo should respond to the readings thoughtfully, and should include the following elements: a) a “wow” statement about an idea or ideas that you appreciated; b) some puzzles regarding ideas that you did not fully understand and/or a thoughtful critique of one or two particular arguments that you did not find persuasive and c) some unanswered questions or thoughts for discussion that arose while you were doing the reading. Please remember to address the collective assignment of readings by not focusing solely on just one reading or a subset throughout the entire memo. I will read them and return them to you at the start of class on Wednesday - no need to bring a hard copy to class. They will not be given extensive comments and we will use an internal check, check plus/check minus grading scheme. Late memos will not be accepted. This should be turned in as an assignment on the course website by 7 AM on Wednesday.

Class will initially start with an interruptible mini-lecture on my part; only after we’ve covered the basics of the articles and how they relate to each other will we move to discussion. I do this to ensure that you understood the basic assumptions, mechanisms, and implications of each theory, and will consequently often contain a Socratic component. This is also a good time to ask one of your questions! Sometimes this will take up almost the entire class period. This is another reason to post your question/observation to Moodle in advance so I can get a sense of where you are stuck or what you are interested in and incorporate that into the mini lecture part. As the class progresses and as we move from theory to practice, we will dedicate more time to the discussion portion of class. Sometimes we will not get to all of the readings or very far in the discussion. This is deliberate; you will still benefit from the context provided by those pieces even if we don’t discuss them. If we miss something in class, you are most welcome to post (or re-post) your question/observation to Moodle after the class.

If you miss a day of class for any reason whatsoever, you may make it up by posting a summary of each of the readings for that day to the relevant Moodle forum. In order to make up missed days from the first half of the semester, these must be posted before the first day of classes after the break; from the second half, by the end of reading period. If you are sick, do

NOT come to class and spread it to the rest of us. Instead, stay home, write your summaries up (which all of you should be doing every day in any case), and get better.

### *Readings*

Readings for the course are drawn from books and E-Readings, the latter of which can be downloaded directly from the links on Moodle. These are best used in conjunction with [Zotero](#), which is supported by the library. Students are expected to bring a copy of the readings to class every day for reference. [Students who use laptops and tablets for notetaking learn less and do less well on assessments](#), and [the mere presence of your smartphone reduces your available cognitive capacity](#); consequently, *laptops and cell phones are not permitted in class*, although tablet devices and convertible laptops may be used without a keyboard for the sole purpose of bringing the readings. Readings marked “Further” on the syllabus are other relevant articles or books; they are not required for class. Students who have a particular interest in the topics in question are encouraged to read these pieces and to incorporate them into their assignments. Readings marked “Review” on the syllabus are from POL 240; you should look over your notes or skim/reread those texts.

Nine (!) books are for sale at the bookstore. Most of them we are reading the entire (or near entire) book for a single day, and so putting them on library reserve is not terribly feasible. Nonetheless, you may be able to use Summit to acquire them for the correct day.

### *Required, single-day*

- Week 3: Lee Clarke (1999) *Mission Improbable: using fantasy documents to tame disaster*. Chicago, IL: University of Chicago Press, 171, ISBN 0226109429
- Week 6: Jeffrey G. Lewis (2018) *The 2020 Commission Report on the North Korean Nuclear Attacks against the United States: A Speculative Novel*. Boston: Mariner Books, ISBN 978-1-328-57391-9
- Week 7: Gregory D. Koblenz (2009) *Living Weapons: Biological Warfare and International Security*. Ithaca: Cornell University Press <<http://www.worldcat.org/oclc/304386783>>, 244, ISBN 0801477522
- Week 8: Max Brooks (2013) *World War Z: An Oral History of the Zombie War*. New York: Broadway Paperbacks <<http://www.worldcat.org/oclc/861725901>>, ISBN 9780307346612
- Week 10: Jared M Diamond (2005) *Collapse: How Societies Choose to Fail or Succeed*. New York: Viking <<http://www.worldcat.org/oclc/56367771>>, 525, ISBN 9780143117001
- Week 14: Neal Stephenson (2015) *Seveneves: A Novel*. New York, NY: William Morrow, ISBN 9780062334510

### *Required, multi-day*

- Weeks 2, 5: Charles Perrow (1999) *Normal Accidents: Living with High-Risk Technologies*. New York, NY: Basic Books, 411, ISBN 0691004129
- Weeks 12, 13: Gene I. Rochlin (1998) *Trapped in the Net*. Princeton, NJ: Princeton University Press, 218, ISBN 9780691002477
- passim: Nick Bostrom and Milan M. Ćirković, editors (2011) *Global Catastrophic Risks*. Oxford University Press, ISBN 978-0-19-960650-4

### *Course Website*

Frequent reading of the course website will be helpful for success in the class. Discussion and collaboration with your peers is available to you through the website as well as in class; supplemental and core readings will be made available there; and assignments will be turned in electronically using the site.

### *Assignments and Quizzes*

You may write two shorter papers or one longer one for this course. If you are writing a longer paper, you have an additional interim task to complete (a detailed outline, due Monday of Week 12). In general, I look for four things in an essay: A clear argument in the introductory paragraph, an explanation of the theories that you will be using, an illustration of your argument with direct examples, and a conclusion that discusses the implications of your findings. Note that word counts include your bibliography.

- Week 7 (Mon, Mar 9) - Proposal + Annotated Bibliography OR First Paper, 1750-2500 words
- Week 12 (Mon, Apr 13) - Detailed Outline + Updated Bibliography
- Week 16 (Mon, May 11) - Final 3750–5000-word Paper OR Second Paper, 1750-2500 words

### *ICPS Quals*

The current ICPS Qual is a research design, with four deadlines listed below. In addition to these qual assignments, you will have the option to either write a separate final paper or to expand on your literature review + research design.

- Week 3 Qual (Mon, Feb 10) - Proposal
- Week 7 Qual (Mon, Mar 9) - Draft Research Design
- Week 12 Qual (Mon, Apr 13) - Literature Review + Research Design, 2000–2500 words
- Week 16 Qual (Mon, May 11) - Expanded Literature Review + Research Design 3750–5000 words OR Second Paper, 1750–2500 words

### *Citation and Plagiarism*

A major goal of this course is to encourage good reading, research, and citation habits. Good research requires good documentation of sources and the ability to put one’s own analysis and thoughts into a paper rather than relying on others. When in doubt as to whether you should cite something, always do it. Citations are required for ideas as well as facts, and are imperative even if you are not directly quoting authors. Make sure that you provide as specific a citation as possible; if an author discusses an idea in one section or one page, cite the specific section or page instead of the full article or book. I usually recommend that students use in-text author-date citation with full Chicago Manual of Style citations; see their Citation Quick Guide: <[http://www.chicagomanualofstyle.org/tools\\_citationguide.html](http://www.chicagomanualofstyle.org/tools_citationguide.html)>.

However, style is less important than the cites being present. If you use an idea or a fact without attribution, you are plagiarizing someone else’s work. Plagiarism and cheating are violations of academic integrity and thus violations of Reed’s Honor Principle. As specified by Reed’s academic conduct policy, such violations will result in disciplinary actions, including suspension or permanent dismissal from the College. Plagiarism is submitting a piece of work which in part or in whole is not entirely the student’s own work without attributing those same portions to their correct source. For examples of plagiarism and how to avoid it, see <<http://tinyurl.com/jdlrbd3>>. If nothing else, you should avoid “[sinister buttocks](#)” syndrome. For more information on Reed’s policies see: <[http://www.reed.edu/academic/gbook/comm\\_pol/acad\\_conduct.html](http://www.reed.edu/academic/gbook/comm_pol/acad_conduct.html)>.

Plagiarism often comes as the result of a student being up against a deadline without being able to meet it. If you are having trouble meeting a deadline for whatever reason, please contact me. Because every assignment is a paper that will be handed out well in advance, I have no problem giving extensions. It is always better to ask for more time than to plagiarize. When you ask for an extension, you should a) explain what events are causing you to miss the deadline and b) request an amount of time proportional to the interfering events. You may ask for an extension up to, but not exceeding, the amount of time remaining for the assignment, except for cases of emergencies or unanticipatable circumstances.

### *Support and Accommodations*

As always, [academic support workshops](#) are available throughout the semester, including for Zotero; [writing drop-in](#) is available 7-10 PM Su-Th, and [individual tutors](#) can help with specific courses. If you’d like to request academic accommodations due to a disability, please contact Disability and Accessibility Services. As soon as they have sent out the Accommodation Notification Letter, schedule an appointment with me to discuss how those accommodations could apply to this course.

## 29-Jan: 01.1. Apocalyptic Thinking and IR (116 Pages)

- Nick Bostrom and Milan M. Ćirković (2011) Introduction. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 1, 1–29
- Eliezer Yudkowsky (2011) Cognitive Biases Potentially Affecting Judgement of Global Risks. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 5, 91–119
- Dennis Pamlin and Stuart Armstrong (2015) Chap. Executive Summary in *Global Challenges: 12 Risks that Threaten Human Civilisation – the Case for a New Category of Risks*. Global Challenges Foundation, 4–24
- Daniel W. Drezner (2015) Do Experts and the Public Think Differently about the Apocalypse? *The Washington Post*. March 13, 3 <<http://www.washingtonpost.com/posteverything/wp/2015/03/13/do-experts-and-the-public-think-differently-about-the-apocalypse/>> – visited on 2015-04-01, ISSN 0190–8286
- Jamais Cascio (2019) The Apocalypse: It's Not the End of the World. *Bulletin of the Atomic Scientists*. 75(6)November, 269–272 <<http://dx.doi.org/10.1080/00963402.2019.1680047>>, ISSN 0096–3402
- Margaret E. Kosal (2019) The Threats from Nanotechnology. *Bulletin of the Atomic Scientists*. 75(6)November, 290–294 <<http://dx.doi.org/10.1080/00963402.2019.1680054>>, ISSN 0096–3402
- John Mecklin (2019) Former Defense Secretary William Perry: Why We Must Describe Doomsday to Keep it from Happening. *Bulletin of the Atomic Scientists*. 75(6)November, 265–268 <<http://dx.doi.org/10.1080/00963402.2019.1680046>>, ISSN 0096–3402
- John Mecklin (2019) Stories of Technological Threat—and Hope. *Bulletin of the Atomic Scientists*. 75(6)November, 263–264 <<http://dx.doi.org/10.1080/00963402.2019.1680045>>, ISSN 0096–3402
- Saskia Popescu (2019) The Existential Threat of Antimicrobial Resistance. *Bulletin of the Atomic Scientists*. 75(6)November, 286–289 <<http://dx.doi.org/10.1080/00963402.2019.1680053>>, ISSN 0096–3402
- David Spratt (2019) Revisiting the Climate Collapse: The View from Nuuk in the Year 2070. *Bulletin of the Atomic Scientists*. 75(6)November, 280–285 <<http://dx.doi.org/10.1080/00963402.2019.1680050>>, ISSN 0096–3402
- Science and Security Board (2020) *It is 100 Seconds to Midnight: 2020 Doomsday Clock Statement*. January 23 Bulletin of the Atomic Scientists <<https://thebulletin.org/doomsday-clock/current-time/>> – visited on 2020-01-27

### Review

- Daniel W Drezner (2015) *Theories of International Politics and Zombies*. Princeton, NJ: Princeton University Press <<http://www.worldcat.org/oclc/875884346>>, 145, ISBN 9780691163703

## 5-Feb: 02.1. Normal Accidents (338 Pages)

- Charles Perrow (1999) Introduction. In Perrow *Normal Accidents*, 3–14
- Charles Perrow (1999) Chap. 3-9, Afterword In Perrow *Normal Accidents*, 62–387

## 12-Feb: 03.1. Mission Improbable (192 Pages)

- Lee Clarke (1999) Mission Improbable: using fantasy documents to tame disaster. In Clarke *Mission Improbable*, 1–171
- Richard A. Posner (2011) Public Policy Towards Catastrophe. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 9, 184–204

## 19-Feb: 04.1. High-Reliability Operations (179 Pages)

- Karl E. Weick (1987) Organizational Culture As a Source of High-Reliability. *California Management Review*. 29(2)Winter, 112–127
- Todd R. La Porte and Paula M. Consolini (1991) Working in Practice but Not in Theory: Theoretical Challenges of "High-Reliability Organizations". *Journal of Public Administration Research and Theory*. 1(1)January, 19–48 <<http://www.jstor.org/stable/1181764>>
- Gene I. Rochlin (1993) Defining "High Reliability" Organizations in Practice: A Taxonomic Prologue. In Karlene H. Roberts, editor *New Challenges to Understanding Organizations*. New York, NY: Macmillan, ISBN 0024020524. chapter 2, 11–32
- Paul R. Schulman (1993) The Negotiated Order of Organizational Reliability. *Administration and Society*. 25(3)November, 353–372 <<http://dx.doi.org/10.1177/009539979302500305>>

- Paul E. Bierly, III and J. C. Spender (1995) Culture and high reliability organizations. *Journal of Management*. 21(4), 639–656 <<http://dx.doi.org/10.1177/014920639502100403>>
- Gene I. Rochlin et al. (1996) Berkeley ‘High-Reliability Organizations’ Special Issue. *Journal of Contingencies and Crisis Management*. 4(2)June, 55–112 <<http://dx.doi.org/10.1111/j.1468-5973.1996.tb00077.x>>, ISSN 0966–0879, 1468–5973
- Paul Schulman et al. (2004) High Reliability and the Management of Critical Infrastructures. *Journal of Contingencies and Crisis Management*. 12(1), 14–28 <<http://dx.doi.org/10.1111/j.0966-0879.2004.01201003.x>>, ISSN 1468–5973

#### Further

- Nick Pidgeon (1997) The Limits to Safety? Culture, Politics, Learning and Man-Made Disasters. *Journal of Contingencies and Crisis Management*. 5(1), 1–14 <<http://dx.doi.org/10.1111/1468-5973.00032>>, ISSN 09660879
- Gene I. Rochlin (1998) Trapped in the Net. In Rochlin *Trapped in the Net*. chapter 1-4, 1–73
- Gene I. Rochlin (1999) Safe operation as a social construct. *Ergonomics*. 42(11)November, 1549–1560 <<http://dx.doi.org/10.1080/001401399184884>>
- Paul R. Schulman and Emery Roe (2007) Designing Infrastructures: Dilemmas of Design and the Reliability of Critical Infrastructures. *Journal of Contingencies and Crisis Management*. 15(1), 42–49 <<http://dx.doi.org/10.1111/j.1468-5973.2007.00503.x>>, ISSN 1468–5973

### 26-Feb: 05.1. Nuclear Power (164 Pages)

- Mathilde Bourrier (1996) Organizing Maintenance Work at Two American Nuclear Power Plants. *Journal of Contingencies and Crisis Management*. 4(2)June, 104–112 <<http://dx.doi.org/10.1111/j.1468-5973.1996.tb00082.x>>, ISSN 1468–5973
- Charles Perrow (2007) Are Terrorists as Dangerous as Management? The Nuclear Plant Threat. In *The Next Catastrophe: Reducing Our Vulnerabilities to Natural, Industrial, and Terrorist Disasters*. Princeton, NJ: Princeton University Press, ISBN 0691129975. chapter 5, 133–173
- Jeva Lange (2015) *America’s Nuclear Power Plants Use Passwords like ‘1234’*. October 5 TheWeek <<https://theweek.com/speedreads/581374/americas-nuclear-power-plants-use-passwords-like-1234>> – visited on 2020-01-03

#### Chernobyl

- E. Stang (1996) Chernobyl - System Accident or Human Error? *Radiation Protection Dosimetry*. 68(3-4)December, 197–201 <<http://dx.doi.org/10.1093/oxfordjournals.rpd.a031864>>, ISSN 0144–8420
- James Mahaffey (2014) Atomic Accidents: A History of Nuclear Meltdowns and Disasters: From the Ozark Mountains to Fukushima. In Mahaffey *Atomic Accidents*, 357–375

#### Fukushima

- Charles Perrow (2011) Fukushima and the Inevitability of Accidents. *Bulletin of the Atomic Scientists*. 67(6)November/December, 44–52 <<http://dx.doi.org/10.1177/0096340211426395>>
- M. V. Ramana (2011) *Beyond Our Imagination: Fukushima and the Problem of Assessing Risk*. April 19 Bulletin of the Atomic Scientists website <<http://thebulletin.org/web-edition/features/beyond-our-imagination-fukushima-and-the-problem-of-assessing-risk>>
- James M. Acton and Mark Hibbs (2012) *Why Fukushima Was Preventable*. March Carnegie Endowment for International Peace <<http://carnegieendowment.org/files/fukushima.pdf>> – visited on 2014-04-30
- James Mahaffey (2014) Chap. 10 In Mahaffey *Atomic Accidents*, 376–403

#### TMI

- Charles Perrow (1999) Chap. 1-2 In Perrow *Normal Accidents*, 15–61

#### 4-Mar: 06.1. Nuclear Weapons (298 Pages)

- Jeffrey G. Lewis (2018) The 2020 Commission Report on the North Korean Nuclear Attacks against the United States: A Speculative Novel. In Lewis *The 2020 Commission Report on the North Korean nuclear attacks against the United States*, 1–270
- Lee Clarke (1993) Drs. Pangloss and Strangelove Meet Organizational Theory: High Reliability Organizations and Nuclear Weapons Accidents. *Sociological Forum*. 8(4)December, 675–689 <<http://dx.doi.org/10.1007/BF01115218>>, ISSN 08848971
- Eric Schlosser (2016) World War Three, by Mistake. *The New Yorker*. December 23 <<https://www.newyorker.com/news/news-desk/world-war-three-by-mistake>> – visited on 2020-01-03
- Ben Westcott (2016) *Duped by Fake News Story, Pakistani Minister Threatens Nuclear War with Israel*. December 26 CNN <<https://www.cnn.com/2016/12/26/middleeast/israel-pakistan-fake-news-nuclear/index.html>> – visited on 2020-01-03
- Colin H. Kahl (2019) This is How Easily the U.S. and Iran Could Blunder into War. *Washington Post*. May 23, 6 <[https://www.washingtonpost.com/outlook/this-is-how-easily-the-us-and-iran-could-blunder-into-war/2019/05/23/40dbbcae-7c07-11e9-8ede-f4abf521ef17\\_story.html](https://www.washingtonpost.com/outlook/this-is-how-easily-the-us-and-iran-could-blunder-into-war/2019/05/23/40dbbcae-7c07-11e9-8ede-f4abf521ef17_story.html)> – visited on 2019-10-06, ISSN 0190–8286
- Alan Robock et al. (2019) How an India-Pakistan Nuclear War Could Start—and Have Global Consequences. *Bulletin of the Atomic Scientists*. 75(6)November, 273–279 <<http://dx.doi.org/10.1080/00963402.2019.1680049>>, ISSN 0096–3402

#### Further

- Scott D. Sagan (1993) *The Limits of Safety: Organizations, Accidents, and Nuclear Weapons*. Princeton, NJ: Princeton University Press <<http://www.worldcat.org/oclc/27429286>>, 279, ISBN 0691021015
- Todd R. La Porte et al. (1994) Systems, Organizations and the Limits of Safety: a Symposium. *Journal of Contingencies and Crisis Management*. 2(4)December, 205–240 <<http://dx.doi.org/10.1111/j.1468-5973.1994.tb00044.x>>

#### 11-Mar: 07.1. Biological Weapons (296 Pages)

- Gregory D. Koblentz (2009) Living Weapons: Biological Warfare and International Security. In Koblentz *Living Weapons*, 1–244
- Edwin Dennis Kilbourne (2011) Plagues and Pandemics: Past, Present, and Future. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 14, 287–307
- Ali Nouri and Christopher F. Chyba (2011) Biotechnology and Biosecurity. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 20, 450–480
- Tara Copp (2015) *Pentagon: Live Anthrax Breach Hits 50 States, 9 Countries*. September 5 Stars and Stripes <<https://www.stripes.com/pentagon-live-anthrax-breach-hits-50-states-9-countries-1.365927>> – visited on 2020-01-03

#### Further

- Jeanne Guillemin (2005) *Biological Weapons: From the Invention of State-Sponsored Programs to Contemporary Bioterrorism*. New York: Columbia University Press, 205, ISBN 0231129424 9780231129428 0231509170 9780231509176 0231129432 9780231129435
- Richard Danzig et al. (2011) *Aum Shinrikyo: Insights into How Terrorists Develop Biological and Chemical Weapons*. July Center for a New American Security <[http://www.cnas.org/files/documents/publications/CNAS\\_AumShinrikyo\\_Danzig\\_0.pdf](http://www.cnas.org/files/documents/publications/CNAS_AumShinrikyo_Danzig_0.pdf)> – visited on 2014-05-15
- U.S. Department of Defense (2014) *Department of Defense Strategy for Countering Weapons of Mass Destruction*. June Office of the Deputy Assistant Secretary of Defense for Countering Weapons of Mass Destruction <[http://archive.defense.gov/pubs/DoD\\_Strategy\\_for\\_Countering\\_Weapons\\_of\\_Mass\\_Destruction\\_dated\\_June\\_2014.pdf](http://archive.defense.gov/pubs/DoD_Strategy_for_Countering_Weapons_of_Mass_Destruction_dated_June_2014.pdf)>

#### Review

- Bruce W. Bennett (2013) *The Challenge of North Korean Biological Weapons*. RAND RAND Report CT-401, 18 pages <<http://www.rand.org/pubs/testimonies/CT401.html>> – visited on 2015-08-29
- Robert J. Peters (2015) *The WMD Challenges Posed by a Collapse of North Korea*. April 14 38 North: Informed Analysis of North Korea <<http://38north.org/2015/04/rpeters041415/>> – visited on 2015-04-19

### **18-Mar: 08.1. Zombies (405 Pages)**

- Max Brooks (2013) *World War Z: An Oral History of the Zombie War*. In Brooks *World War Z*, 1–342
- Commander, United States Central Command (2009) *Zombie Attack Response Plan*. United States Central Command Headquarters OPLAN 1210.1-09 Annex Z, 7 pages
- Commander, United States Strategic Command (2011) *Counter-Zombie Dominance*. United States Strategic Command Headquarters CONPLAN 8888-11, 31 pages
- Daniel W. Drezner (2014) Metaphor of the Living Dead: Or, the Effect of the Zombie Apocalypse on Public Policy Discourse. *Social Research: An International Quarterly*. 81(4)Winter, 825–849  
<[https://muse.jhu.edu/journals/social\\_research/v081/81.4.drezner.html](https://muse.jhu.edu/journals/social_research/v081/81.4.drezner.html)> – visited on 2015-02-13, ISSN 1944–768X

### **25-Mar: 09.1. Spring Break: No Class**

### **1-Apr: 10.1. Ecological Collapse (203 Pages)**

- Jared M Diamond (2005) Prologue: A Tale of Two Farms. In Diamond *Collapse*. chapter Prologue: A Tale of Two Farms, 1–24
- Jared M Diamond (2005) Chap. 2-6 In Diamond *Collapse*, 79–210
- Christopher Wills (2011) Evolution Theory and the Future of Humanity. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 3, 48–72
- David Frame and Myles R. Allen (2011) Climate Change and Global Risk. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 13, 265–286

#### *Further*

- Lester Russell Brown (2009) *Plan B 4.0: Mobilizing to Save Civilization*. New York: W. W. Norton  
<<http://www.earth-policy.org/books/pb4>>, 268, ISBN 9780393337198

### **8-Apr: 11.1. 7–8:30 PM, Vollum Lecture Hall: “Imagining Armageddon” (141 Pages)**

- James J. Hughes (2011) Millennial Tendencies in Responses to Apocalyptic Threats. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 4, 73–90
- Joseph Cirincione (2011) The Continuing Threat of Nuclear War. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 18, 381–401
- Gary Ackerman and William C. Potter (2011) Catastrophic Nuclear Terrorism: A Preventable Peril. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 19, 402–449
- Richard Pipes (1977) Why the Soviet-Union Thinks It Could Fight and Win a Nuclear War. *Commentary*. 64, 21–34
- Michael Mandelbaum (1980) The Bomb, Dread, and Eternity. *International Security*. 5(2)Autumn, 3–23  
<<http://dx.doi.org/10.2307/2538442>>
- Alex Wellerstein (2012) *In Search of a Bigger Boom*. September 12 Restricted Data: The Nuclear Secrecy Blog  
<<http://blog.nuclearsecrecy.com/2012/09/12/in-search-of-a-bigger-boom/>> – visited on 2015-08-13

### **15-Apr: 12.1. Social, Political, Economic Collapse (179 Pages)**

- Gene I. Rochlin (1998) Computer Trading. In Rochlin *Trapped in the Net*, 74–90
- Gene I. Rochlin (1998) Jacking into the Market. In Rochlin *Trapped in the Net*, 91–107
- Peter Taylor (2011) Catastrophes and Insurance. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 8, 164–183
- Robin Hanson (2011) Catastrophe, Social Collapse, and Human Extinction. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 17, 363–380
- Bryan Caplan (2011) The Totalitarian Threat. In Bostrom and Ćirković *Global Catastrophic Risks*. chapter 22, 504–519
- Carl Schmitt (2005) Chap. 1-2 in *Political Theology: Four Chapters on the Concept of Sovereignty*. Chicago: University of Chicago Press, 6–35, ISBN 9780226738895

- Carl Schmitt (2008) *The Concept of the Political: Expanded Edition*. In *The Concept of the Political: Expanded Edition*. University of Chicago Press, 19–79

#### Further

- Charles Tilly (1999) War Making and State Making as Organized Crime. In Theda Skocpol, Peter Evans and Dietrich Rueschemeyer, editors *Bringing the State Back in*. Cambridge. chapter 5, 169–191

### 22-Apr: 13.1. Artificial Intelligence and Autonomous Weapons (Heather Roff) (226 Pages)

- Gene I. Rochlin (1998) Trapped in the Net. In Rochlin *Trapped in the Net*, 108–209
- Eliezer Yudkowsky (2011) Artificial Intelligence as a Positive and Negative Factor in Global Risk. In Bostrom and Čirković *Global Catastrophic Risks*. chapter 15, 308–345
- Ronald C. Arkin (2010) The Case for Ethical Autonomy in Unmanned Systems. *Journal of Military Ethics*. 9(4)December, 332–341 <<http://dx.doi.org/10.1080/15027570.2010.536402>>, ISSN 1502–7570, 1502–7589
- Ian Kerr and Katie Szilagyi (2012) Asleep at the Switch. *How Lethal Autonomous Robots Become a Force Multiplier of Military Necessity*. Miami: University of Miami School of Law., 39
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