

### **Readings & Resources Schedule**

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| School of Computing and Academic Studies  *Liberal Studies Department* | | Liberal Studies 7007  Technology and Society  **Dr. Stephen A. Ogden** | |
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* This is the schedule of Readings & Resources: for the lecture schedule, see the Course Syllabus
* **\*\* This schedule of readings & resources is designed to have you reading ahead \*\***
* The list of successive weeks—Week 3, Week, 4, etc.— correspond to the Course Weeks on the Syllabus.
* Following the schedule has you prepared for the class in the week *after* the scheduled readings.
* **Example**. Week 3 listed readings are to be read during Course Week 3. The material in Week 3 prepares you to understand material in the lecture in Course week 4.
* Stay on schedule: falling behind puts you at a disadvantage in lecture; reading ahead can be disorienting.

**Schedule**

**During Week One – Week Two**: **(One=Introductory Week: Two = Marshall McLuhan**

1. **In the *LIBS 7007 Course Reader:***
   * John Goyder, “Technology & Society: A Canadian Perspective.”
2. **Online:**

* Read the brief web biography of Marshall McLuhan at [marshallmcluhan.com](http://marshallmcluhan.com/biography/)
  + Follow [the avatar Marshall McLuhan](http://twitter.com/marshallmcluhan) on Twitter.
  + Watch (and laugh with) McLuhan's legendary cameo appearance on [Woody Allen's classic film "Annie Hall](http://www.youtube.com/watch?v=sXJ8tKRlW3E)".
* Read the following sections on Marshall McLuhan's I "[Understanding Media](http://beforebefore.net/80f/s11/media/mcluhan.pdf)", (online .pdf):
  + All of **Part I** (Chapters 1-7)
  + In **Part II**, the following chapters:
    - Chapter 10, "Roads and Paper Routes"
    - Chapter 15, "Clocks: the Scent of Time"
    - Chapter 18, "The Printed Word: The Architect of Nationalism"
    - Chapter 19, "Wheel, Bicycle, and Airplane."
    - Chapter 22, "Motorcar: the Mechanical Bride"
  + Read “[Engineers of Jihad](http://www.nuff.ox.ac.uk/users/gambetta/Engineers%20of%20Jihad.pdf)” by Diego Gambetta and Seffan Hertog from the Department of Sociology at Oxford University.

**During Week Three: Social Media Technologies & Society: the Global Village**

1. **In the *LIBS 7007 Course Reader*:**
   * Mayer-Schönberger & Cukier, “Big Data: A Revolution that Will Transform How We Live, Work, And Think.”
   * E. Zuckermann, “Rewire: Digital cosmopolitans in the age of connections.”
2. **Online**:
   * Read “[Life on the Island](http://www.sfu.ca/~ogden/BCIT%20LIBS/LIBS%207007/Life-on-the-island-7719.pdf)”, The New Criterion, online, October 2013.
   * Read the [profile of Sherry Turkle, at TED.com](http://www.ted.com/speakers/sherry_turkle.html)
   * Watch the TED talk by Sherry Turkle, "[Connected, but alone?](http://www.ted.com/talks/sherry_turkle_alone_together.html)". (Optional).
   * Sherry Turkle, "'[Spinning' Technology: What we are not Thinking About When We are Thinking About Computers](http://www.sfu.ca/~ogden/BCIT%20LIBS/LIBS%207007/Spinning%20Technology.pdf)."
   * Wency Leung & Dakshana Bascarmurty, "[Amanda Todd tragedy highlights how social media makes bullying inescapable](http://www.theglobeandmail.com/news/national/amanda-todd-tragedy-highlights-how-social-media-makes-bullying-inescapable/article4611068/)", Globe and Mail, Online. 14/10/12

**During Week Four: Do Mechanical Clocks Create Mechanical Time? Clocks & Society**

1. **In the *LIBS 7007 Course Reader*:**
   * C. Anton, "Clocks, Synchronization, and the Fate of Leisure: A Brief Media Ecological History of Digital Technologies.
2. **Online**:
   * James Gleick, ["Time Regained!". Review of Time Reborn: From the Crisis in Physics to the Future of the Universe by Lee Smolin](http://www.nybooks.com/articles/archives/2013/jun/06/time-regained/?pagination=false). "The New York Review of Books". June 6, 2013.
   * Read "[Stop all the Clocks:...on the Tyranny of Time](http://www.independent.co.uk/news/uk/this-britain/stop-all-the-clocks-julian-baggini-on-the-tyranny-of-time-430383.html)" The Independent, January 01 2007.

**During Week Five**: **“Still it Moves”—Technology & the Universe**.

1. **In the *LIBS 7007 Course Reader***:
   * Ann Vileisis, "”Are Tomatoes Natural?”
   * Langdon Winner, “Artifacts/Ideas and Political Culture.”
2. **Online**:
   * Owen Gingerich, “[Truth in Science: Proof, Persuasion, and the Galileo Affair](http://www.asa3.org/ASA/PSCF/2003/PSCF6-03Gingerich.pdf).”

**During Week Six**: **Technology difference across societies** ***and* Review ahead of Mid-Term Examination**

1. **In the *LIBS 7007 Course Reader***:
   * Claude Peloquin and Fikret Berkes, "Local Knowledge, Subsistence Harvests, and Social-Ecological Complexity in James Bay."
2. **Online**:
   * Y.D. Belanger, "Native Philosophy." Ways of knowing: An introduction to native studies in Canada. (2010): Toronto, Canada: Nelson.

* [Read, on his homepage, "About"](http://morinoske.com/about/) a Japanese technologist, Morinosuke Kawaguchi, who writes and speaks on the ways that Japan's conception of technology, and its relation to society, differs from the West's.
* Watch [a brief clip from a TED talk](https://www.youtube.com/watch?v=AXD-ZgI6PT0) by Kawaguchi on the topic of sustainability, in relation to civilisation differences.

**During Week Seven**: **Technology & Nationalism**

1. **In the *LIBS 7007 Course Reader***:
   * S. Nakayama, "Japan". (620-624).
2. **Online**.

* Read brief commentary in the MIT Technology Review, March 11th, 2013, "[Online Nationalism](http://m.technologyreview.com/view/512386/danger-lurks-in-growing-new-internet-nationalism/)"
* Read George Orwell, "[Notes on Nationalism](http://orwell.ru/library/essays/nationalism/english/e_nat)". (Online).

**During Week Eight**: **Technology & the Automobile**

1. **Online**:

* Lecture: “[The Auto-Motive Society](http://www.sfu.ca/~ogden/BCIT%20LIBS/LIBS%207007/AUTO.docx)”.
* Read P.J. O'Rourke, "[The End of the Affair](http://online.wsj.com/article/SB10001424052970203771904574173401767415892.html)." The Wall Street Journal, May 30th, 2009.
* Read Wikipedia, "[Effects of the automobile on societies](http://en.wikipedia.org/wiki/Effects_of_the_automobile_on_societies)."

**During Week Nine**: **Technology & Health Care**

1. **In the *LIBS 7007 Course Reader***:

* Stanley Joel Reisner, "Revealing the Body's Whispers: How the Stethoscope Transformed Medicine".
* Marita Sturken and Lisa Cartwright, "Scientific Looking, Looking at Science". (Pps provided in Course Reader 347-387.)

1. **Online**.

* Watch a 2009 TED Talks video by surgeon and inventor Catherine Mohr on "[Surgery's Past, Present, and Robotic Future](http://www.ted.com/talks/catherine_mohr_surgery_s_past_present_and_robotic_future.html)." (Online).
* Watch a 2011 TED Talks video by physician-scientist Daniel Kraft on "[Medicine's Future? There's an App for That](http://www.ted.com/talks/daniel_kraft_medicine_s_future.html)." (Online).

**During Week Ten**: **Technology & Transhumanism**

1. **In the *LIBS 7007 Course Reader***:
   * A. Quan-Haase, *Technology & Society: Social Networks, Power, & Inequality*. (Pps 51-58 & 195-211)
   * J. Slack & M.J. Wise, Culture and Technology: A Primer. New York: Peter Lang, 2005. (Pps 163-172 )
2. **Online**:

* Watch a 2010 TED Talks video by cyborg anthropologist Amber Case on "[We are all Cyborgs Now](http://www.ted.com/talks/amber_case_we_are_all_cyborgs_now.html)."
* Read the table of [Transhumanist Values](http://www.nickbostrom.com/ethics/values.html" \t "_self) from Nick Bostrom, Faculty of Philosophy at Oxford.
* Select a topic of interest from a list of reputable articles on "[the social implications of transhumanism](http://www.helium.com/items/690502-the-social-implications-of-transhumanism)" at Helium.com
* Read a brief wiki-style [presentation of Transhumanism](http://rationalwiki.org/wiki/Transhumanism#cite_ref-24) from the militant Atheist perspective.
* Read "[Transhumanism - The Future of Medicine and Supplements](http://www.healthguidance.org/entry/10847/1/Transhumanism--The-Future-of-Medicine-and-Supplements.html" \t "_self)" at Health Guidance.
* Read "[The future of robotics: in a transhuman world, the disabled will be the ones without prosthetic limbs…](http://www.guardian.co.uk/technology/2013/jun/16/future-robotics-bionic-limbs-disabled)". The Guardian-The Observer, 16 June 2013.

**During Week Eleven**: **Technology & the Sexes**

1. **In the *LIBS 7007 Course Reader***:

* J. Slack, & M.J. Wise, "Identity Matters." (Pps 149-162).

1. **Online**:

* Read Second-Wave Feminist Hanna Rosin's summer 2010 article in The Atlantic advocating her thesis for "[The End of Men](http://www.theatlantic.com/magazine/archive/2010/07/the-end-of-men/308135/?single_page=true)." There is also an embedded video in the article entitled "Resolved: Girls are Better than Boys".
* Watch Hanna Rosin, author of The End of Men: And the Rise of Women, (2012), at Bloomberg TV, discussing her book's position on [technology and the End of Men](http://www.bloomberg.com/video/less-jobs-more-technology-and-the-end-of-men-Lfhb1TChR~GV_fgaHogZZQ.html).
* Read in The New York Times online, "[A Woman's Place](http://www.nytimes.com/2012/09/16/books/review/the-end-of-men-by-hanna-rosin.html?pagewanted=all&_r=2&)"; Jennifer Homans' critical review of Rosin's The End of Men: And the Rise of Women
* Read in The New Atlantis: a Journal of Technology and Society,Diana Schaub's "[Sisters at Odds](http://www.thenewatlantis.com/publications/sisters-at-odds)", a review of Christina Hoff Sommers' book-length critique of Second Wave Feminism, Who Stole Feminism?.

**During Week Twelve**: **Technology and Religion**

1. **Online:**
   * Read  Paul Emerson Teusner, , "[New Thoughts on the Status of the Religious Cyborg](http://www.techandreligion.com/Resources/Teusner%20JTTR.pdf)". Journal of Technology, Theology, & Religion. October, 2010.
   * Read Stefan Gelfgren,  "[Virtual Churches, Participatory Culture, and Secularization](http://www.techandreligion.com/Resources/Gelfgren%20JTTR.pdf)". Journal of Technology, Theology, & Religion. January, 2011.

**During Week Thirteen: Technology and Mechanical Engineering**

1. **In the *LIBS 7007 Course Reader:***
   * Daniel R. Headrick, "Technology, Engineering, and Science"
   * E.M. Rogers, "The Innovation-Decision Process" (pp.161-186, 263-266)
   * E.M. Rogers, "The Consequences of Innovations" (pp.405-416, 419-425, 429-430, 435-440.)

**During Week Fourteen**: **Review & re-annotate all readings for Final Examination ahead in Week Fifteen.**