Spring of 2017: R678 Topical Seminar, (Only) 3 Credits
Emerging Learning Technologies (The Famed "Monster Syllabus")
Indiana University, School of Education, Room 2101
Section 15004 FTF, Canvas: https://iu.instructure.com/courses/1601210
Section 17734 Online, Canvas: https://iu.instructure.com/courses/1601211
General Course Link to Canvas: http://canvas.iu.edu/

Instructor: Curt Bonk, Professor, Instructional Systems Technology Dept.
PDF, Word, HTML

Sync Chats/Q’s: TodaysMeet: https://todaysmeet.com/R678_Emerging_Learning_Technologies
Office Hours: Zoom: https://IU.zoom.us/j/8123222878
Videostreaming (see below): Video Bridge: 2317734
Participant Bios and Interests: http://www.trainingshare.com/r678bios.php
Online Role Play: http://www.trainingshare.com/r678roles.php
Copies of Weekly R678 Lectures given in Spring of 2017: PP Slides

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Course Description and Rationale:
Instead of passive consumption-based learning, we are living in a participatory age where learners have a voice and potentially some degree of ownership over their own learning. Here at the start of the twenty-first century, emerging technologies and activities—such as blogs, wikis, podcasts, ebooks, YouTube videos, massive open online courses (MOOCs), simulations, virtual worlds, and wireless and mobile computing—are generating waves of new opportunities in higher education, K-12 schools, corporate training, and other learning environments.

And today’s millennial learner, immersed in an increasingly digital world is seeking richer and more engaging learning experiences. Amid this rising tide of expectations, instructors across educational sectors are exploring and sharing innovative ways to use technology to foster interaction, collaboration, and increased excitement for learning. It is time to take advantage of the new participatory learning culture where learners build, tinker with, explore, share, and collaborate with others online. It is also time
to utilize free and open educational resources, opencourseware, learning portals, and open source software across educational sectors and income levels. Some of you will create and publish a cross-cultural Wikibook. Others will create video blogs, and still others will design YouTube-like videos. Some might even flip their classrooms. Still others will teach a massive open online course (MOOC).

The syllabus for this course is purposefully long. I refer to it as “the monster syllabus.” I will be your online concierge or guide through masses of online resources. In an age when eyeball-to-eyeball learning is no longer necessary, effective online instructors do not simply teach, but moderate, coach, and assist in the learning process. Today a teacher, trainer, professor, or instructional designer often assumes the role of concierge with a wealth of freely available tools and resources to guide her learners. In this more open twenty-first century learning world, anyone can learn anything from anyone else at any time.

Course Goals and Objectives
After the course, students should be able to:

1. Explain and demonstrate the educational benefits of technologies such as virtual games, augmented reality, synchronous conferencing, online tutorials, podcasts, wikis, blogs, virtual worlds, simulations, social networking software, digital books, mobile books, etc.
2. Track and report on trends related to emerging learning technologies.
3. Frame learning technology trends and issues from broader psychological, social, cultural, and educational perspectives.
4. Critique articles and review books related to emerging learning technologies.
5. Use, recommend, or create online resources and portals in a variety of educational settings.
6. Design an innovative research or evaluation project related to online learning;
7. Successfully submit research, grant, and other proposals related to learning technologies, open education (e.g., open textbooks), MOOCs, e-learning, etc. to conferences, foundations, summits, or institutes.
8. Recognize and potentially contact many of the key players and scholars in the field of online learning, open education, MOOCs, and emerging learning technologies.
9. Consult with organizations to develop strategic plans or evaluate the effectiveness of e-learning courses, programs, and events as well as MOOCs, open education, Web 2.0 technologies, etc.
10. Make recommendations regarding online learning initiatives, programs, and strategies.
11. Obtain a model, guide, or framework for thinking about new technology tools and resources in education. Use this framework for strategic planning reports, retreats, consulting, and other situations where a macro lens on learning technology and educational reform is needed.
12. Obtain the skills to train fellow teachers as well as learners in emerging learning technologies and pedagogically effective instructional activities and approaches.

Required Texts (none), Videos, and Journal Article List
None!!! The world of learning should be FREE!

Recommended books (don’t buy them):

Perhaps get this FREE one instead (it is free in English and Chinese):

Curt Bonk’s List of journals in educational technology and related fields:
http://www.trainingshare.com/resources/distance_ed_journals_and_online_learning_books.htm

Curt Bonk’s 27 free 10 minute videos on how to teach online:
“Video Primers in an Online Repository for e-Teaching and Learning” (V-PORTAL)
1. Watch & Find Resources (Firefox preferred): IU School of Ed Instructional Consulting Office): http://www.indiana.edu/~icy/media/de_series.html
2. For faster access, watch in Bonk’s YouTube Channel (use any browser):
http://www.youtube.com/user/TravelinEdMan
3. Read about Possible Uses: http://www.trainingshare.com/keynotes.php#tasel

Tentative Tasks and Grading
40 pts A. Tidbit and Video Reflection Paper (Tidbits: February 27)
40 pts B. Discussion Moderator (pick a week: http://www.trainingshare.com/r685.php)
40 pts C. Discussion Participation in Canvas and Other (due each week)
50 pts D. Online Discussion and Lecture Reflection Paper (Due: April 24)
60 pts E. Report or Strategic Plan Analysis (Due: February 27)
70 pts F. Final: Wikibook, MOOC Project, Video, or Personal Selected Task (Due: April 24)
300 Total Points

Total points will determine your final grade. I will use the following grading scale:

- A+ = 300 high score
- A = 280 points
- A- = 270 points
- B+ = 260 points
- B = 250 points
- B- = 240 points
- C+ = 230 points
- C = 220 points
- C - = 210 points
- F/FN = no work rec’d or signif. inadequate/impaired

Lateness Policy: I usually accept anything turned in within 48 hours of the original due date. After that, students lose 2 points for each day that it is past due without an approved reason.

Directions: Videostreaming live and recorded each Monday at 7:00-9:45 pm:
1. From Google Chrome (preferred) or from Firefox, navigate to: https://bridge.iu.edu
2. In the “conference to dial” field, type your Conference ID: (Conference Bridge: 2317734)
3. Type your name
4. Click Connect
5. The camera and microphone preview window now appears. You should see your own camera image. If not, click the gear icon, select the correct camera and microphone from the dropdown
box and try again.
6. Click Start. You should now be connected to the conference.

**Option:** Watch the recording in Canvas.

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### Projected Seminar Weekly Topics

- **Week 1.** (January 9) Introduction to the Open World: Visionaries and Visions
- **Week 2.** (January 16) Alternate Reality Learning: AR, VR, Gaming, and Simulations (Explore Week #1)
- **Week 3.** (January 23) The Sudden Explosion of E-Books and E-Book Readers
- **Week 4.** (January 30) The Expansion of Blended and Fully Online Learning
- **Week 5.** (February 6) Extreme, Nontraditional, and Adventure Learning
- **Week 6.** (February 13) Open Educational Resources (OER) and OpenCourseWare (OCW)
- **Week 7.** (February 20) Open Education and Massive Open Online Courses (MOOCs)
- **Week 8.** (February 27) More MOOCs and Open Education Around the World
- **Week 9.** (March 6) Motivation in Informal and Self-Directed Online Learning Environments (including online language learning) (Explore Week #2)
- **Week 10.** (March 20) Connectivism, Social Media, and Participatory Learning
- **Week 11.** (March 27) Wikis, Wikipedia, Wikibooks, and Collaborative Writing (Explore Week #3)
- **Week 12.** (April 3) Shared Online Video and Audio (Explore Week #4)
- **Week 13.** (April 10) Flipping the Classroom
- **Week 14.** (April 17) Interactive, Global, and Collaborative Learning (including learning spaces, etc.)
- **Week 15.** (April 24) Mobile, Wireless, and Ubiquitous Learning
- **Week 16+.** (Future) Networks of Personalized Learning and AI Agents

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**Note:** “Explore Weeks” allow the learners or participants in this class to find their own articles for that week and ignore any assigned articles in the syllabus. However, students must place their list of articles found, skimmed, or read during that week in the discussion thread in Canvas for that week. They must also nominate at least one article that they found and/or read that week that is worth assigning next year in this class and explain why they recommend it. Those whose articles are selected by the instructor will receive a special acknowledgement or recognition.

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### Class Tasks

**A. Tidbit and Video Reflection Paper (40 points: Due February 27)**

**Tidbits and Videos (40 points):** Besides reading 3-4 assigned articles each week, during the semester I want you to read at least 50 total tidbits during the semester from the list of tidbit readings or about 2 or 3 per week (preferably more than 50). Typically, these are very short online news or magazine articles. I also want you to watch at least 5 videos listed below related to our course (or similar ones that you find). On February 27, you will turn in a list of your top 30 tidbits read so far (best ones at the top) and top 2-3 videos watched. You might also note a few tidbits that you did not enjoy. After those lists, I want you to reflect for 1-2 single spaced pages on what you learned from those tidbits. I am not asking you to summarize each article or video; instead reflect on your learning in general. What themes, trends, or concepts were clarified for you? What new insights did you gain? What inspirations did you feel? You might include brief comments at the beginning or end of the paper on why you ranked the tidbits and videos the way you did. I will send an email with examples upon request. Be creative. Take a look at the examples provided. Post your tidbit reflection to Canvas or your Dropbox account or send to me via email.
B. Discussion Moderator (40 points)

Summarizer and Starter Activities Related to the Readings (40 points): At the start of each week, I want one person in this class to post a short summary to Canvas on at least 4 of the main articles assigned for that week. That person is the starter for discussion. Other students will add to their conversation with their reflections and reactions. As a summarizer or starter, you might: (1) state reactions, questions, and suggestions for the upcoming readings; (2) point out the relationship of upcoming week topic or articles to past lectures or readings; (3) discuss the position of a researcher or pioneer in the field (or perhaps even write to him/her); (4) discuss a recent speech or colloquium you attended related to the week or a visit to a technology center or exhibit; or (5) generally relate the articles for the week to prior learning and discussion in the course. At the end of the week, you might react and reflect on the class discussion that transpired as well as the questions and concerns raised. You can sign up for this task at: http://www.trainingshare.com/r685.php

Sample Discussion Moderator Recap:
1. Prezi from Thuy Han for R678 class Week 4 (February 8, 2015):
   https://prezi.com/r4vkqwolk9n/httpswebarchiveorgweb20040303191129httpwwwnetco/?utm_campaign=share&utm_medium=copy
2. Jennifer Webeck, April 2, 2015, As an overview of our discussion in bubbl.us:
   https://bubbl.us/mindmap?h=290e70/52c975/26iay7HlValyo

C. Participation in Canvas (40 points)

Course participation in Canvas (40 points): This is worth 40 points as follows: 36-40 for high participators; 32-36 for medium participators; 28-32 for low participators; and 0-31 for others. Course participation includes contributing to the online discussion in Canvas, sharing resources, responding to peers, providing feedback on tasks and resource recommendations, and so on. While these will be mainly assessed as to the number of posts, I will also take into consideration qualitative factors such as those listed below.

   Face-to-Face (Stump Bonk): In addition to Canvas discussions, some weeks in the live class, students will have 10-15 minutes to ask Professor Bonk questions for his opinion or ideas related to any tidbit article(s). Among the goals is to stump Professor Bonk. Another goal is to get excited about the material and resources in this course.

   1. Diversity (some variety in ideas posted, and some breadth to exploration);
   2. Perspective taking (values other perspectives, ideas, cultures, etc.);
   3. Creativity (original, unique, and novel ideas);
   4. Insightful (makes interesting, astute, and sagacious observations).
   5. Relevancy (topics selected are connected to course content); and
   6. Learning Depth/Growth (shows some depth to thinking and elaboration of ideas);

D. Discussion and Lecture Reflection (50 points: Due April 24)

Discussion and Lecture Reflection Paper (50 points): At the end of the semester, you are to reflect on what you learned from weekly discussions in Canvas each week as well as from my recorded lectures and discussions that I will deliver each week via videoconferencing. You should include at least 7 of the weeks in your reflection. What were the ideas, issues, concepts, facts, figures, diagrams, etc., that struck a chord with you? What did you learn during the semester? How did your thinking change in a particular week or over time? What inspired you? What did you find disappointing? What is next?
Using these questions as a guide, please write a 2-3 page single-spaced reflection paper on this activity by April 24th (50 points). Though not required, it would help if you included a fourth page with a recap table, chart, figure, or some type of summary of key themes, concepts, terms, etc., mentioned in the reflection paper. This is to be a meta-reflection of your growth in the course, unique learning insights, personal gains, etc., at least in part, from your weekly discussions and responding to your peers. What were the key concepts you grappled with this semester? How has your thinking evolved? What are the gaps in the research that you might target now? What weeks or particular articles inspired you and why?

Post your reflection paper to Canvas or your Dropbox account or send to me via email.

**Reflection Paper Grading Criteria** (50 Points; 10 points each):
1. Relevancy to class: meaningful examples, relationships drawn, interlinkages, connecting weekly ideas.
2. Insightful, Interesting, Reflective, Emotional: honest, self-awareness, interesting observations
3. Learning Depth/Growth: takes thoughts along to new heights, exploration, breadth & depth, growth.
5. Connections: linking threads in the discussion, lectures, and readings.

**Storify Reflection:**

**E. Report or Strategic Plan Analysis or Naturalistic Study (60 pts—Due February 27)**

*Midterm Option 1. Summary Report or Strategic Plan Evaluation, Critique, and Extension*

Find and evaluate a summary report, technical report, or a strategic plan of a company, university, non-profit organization, school, state, province, country, or region related to e-learning, blended learning, mobile learning, or emerging learning technologies of some type and critique it. For instance, you might pick the state or country where you were born or perhaps where you plan to live after graduation. You might find the strategic plan online or request a hardcopy version. I want you to not simply read and critique the report but to also interview someone who created it or is/was affected by that report. You might discuss and critique the online learning technologies highlighted, proposed pedagogical plans, intended training methods, targeted skills or competencies, or evaluation methods detailed. You might visit the institution or organization or write someone an email. What might this organization do differently in planning for e-learning or using some emerging learning technology? What are its competitors doing, for instance? Has there been an update? You are encouraged to work in teams on this report. When done, you will present an overview of the report to the class. Testimonials, graphs and trends of indicated growth, comparisons, and other data or handouts are welcome. You are also encouraged to directly contact the organization that developed the report or plan and receive additional product information (e.g., DVDs, brochures, white papers, technical reports, product comparison sheets, videotapes, company annual report, customer testimonies, data sheets, Web site information, etc.). Your evaluation, critique, and extension paper should be 4-6 single-spaced pages (excluding references and appendices; those working in teams are expected to have 7-10 single spaced page papers, not counting references and appendices). Please post it to your Canvas or to your Dropbox account or send to me via email on or before February 27th.

**Sample reports:**
2. IU Strategic Plan for Online Education (2011, March 9):
Summary Report/Strategic Plan Grading (10 pts for each of the following dimensions)
1. Review of Plan or Document (clarity, related to class, organized, facts, data, relevant, style)
2. Relevant Resources and Digging (citations/refs, linkages to class concepts, extensive)
3. Soundness of Critique (depth, clear, complete, practical, detailed, important, coherence)
4. Creativity and Richness of Ideas (richness of information, elaboration, originality, unique)
5. Knowledge of Topic (learning breadth & depth, growth, displays understanding of topic)
6. Recommendations, Insights, and Implications (contains relevant recommendations, guides)

Midterm Option 2. Naturalistic Study

You have options to the midterm. For instance, you might perform a case study or pilot observation of workers, students, etc. using tools or instructors interacting with employees, students, other instructors, etc. while they use a web-based learning tool, resources, project, or curriculum application. For instance, you might decide to complete a case study of a child, young person, or adult using a particular learning tool for the first time. Such naturalistic studies should include at least five careful observations and commentary of the person and tutor/teacher. The commentary should reflect your learning and provide insights as to how to make this tool more educationally meaningful. If you are looking at student-teacher-tool interaction patterns, teacher guidance, or simply tool use, you will need to design coding schemes and observation log sheets to help interpret tool functionality in this environment.

When done with your brief study, you might interview an instructor, learner, instructional designer, or some other person in that environment about the phenomenon that you observed. Interviewees might come from corporate, K-12, military, government, or higher education settings. These optional interviews can be live (face-to-face), via videoconferencing, phone- or Skype-based, or conducted through email.

Your naturalistic study report should be 4-7 single-spaced pages (excluding references and appendices; those working in teams are expected to have 7-10 page papers, not counting references and appendices). In your report, I want you to reflect on what you learned about e-learning from this assignment. How has it opened your eyes? What might you have done differently next time in your study? What recommendations do you have and what implications do you see? How might you put your new ideas to use in training programs or in your own future teaching? Please post it to Canvas or your Dropbox account or send to me via email on or before February 27th.

Sample Format Naturalistic/Research Activities:
I. Title Page (Name, affiliation, topic title, acknowledgements)
II. Topic Literature and Method
   1. Res topic & materials;
   2. Brief stmt of problem and why impt
   3. Brief review of the relevant literature
   4. Methods:
      a. Subjects & design (i.e., who/how selected);
      b. Materials/setting (i.e., hard/software, text)
      c. Procedure (i.e., how data was obtained)
      d. Coding Schemes & Dep. meas/instr (i.e., how segment/code data);
e. Analyses or comparisons

III. Results and Discussion 1. Preliminary Results; 2. Discussion of results
IV. References (APA style: see syllabus for example)
V. Appendices (e.g., pictures, charts, figures, models, tests, scoring criteria, coding procedures)

Sample Grading of Major Project (60 Total Points or 10 pts each dimension):
- 1. Review of the Problem/Lit/Purpose (interesting, relevant, current, organized, thorough, grounded)
- 2. Hypothesis/Research Questions/Intentions (clear, related to class and theory, current, extend field)
- 3. Method/Procedures (subjects/age groups approp, materials relevant, timeline sufficient, controls)
- 4. Research Activity/Design/Topic/Tool (clear, doable/practical, detailed, important)
- 5. Overall Richness of Ideas (richness of information, elaboration, originality, unique)
- 6. Overall Coherence and Completeness (unity, organization, logical sequence, synthesis, style, accurate)

Midterm Option 3:
Other options to the midterm might be grant proposals, research interventions (as opposed to observations), technology tool design proposals, curriculum integration plans, or conference research papers. If one of these appeals to you, write to the instructor for additional information and guidance.

F. Web 2.0 Final Project (70 points—Due April 24)

Option 1. Wikibook Online Work (WOW)
In this option, you help with a Wikibook related to emerging technologies. About seven years ago, students from five universities designed a wikibook on “The Web 2.0 and Emerging Learning Technologies” (The WELT); see http://en.wikibooks.org/wiki/Web_2.0_and_Emerging_Learning_Technologies. If you write a unique chapter for the WELT, it should be a minimum of 2,000 words. A 2-3 page reflection paper on what you learned from this wikibook activity needs to be included. Describe what you learned from the task including specific course concepts and ideas mentioned in your chapter as well as ideas related to the social construction of knowledge. Attached to your reflection paper will be documentation of what you contributed to the wikibook, including your chapter (with highlights or special notations of your contribution), highlights to the chapters worked on, and perhaps even print outs of the wikibook chapter editing history. Your paper and chapter will be graded according to the dimensions listed below.

Example:
Robert Halford, Spring 2015, Wikibook Chapter on Professional Developmnet:
https://en.wikibooks.org/wiki/Web_2.0_and_Emerging_Learning_Technologies/Professional_Development#Technology_as_a_tool_for_learning
Greg Snow, Korea, Spring 2016, Wikibook Chapter on Virtual Reality,
https://en.wikibooks.org/wiki/Virtual_Reality

Wikibook Grading (60 Total Points or 10 pts each dimension):
- 1. Chapter and reflection paper relevance: Contribution is meaningful to class, we learn from it
- 2. Chapter and reflection paper coherence: flow, well organized, good layout, enjoyable to read
- 3. Chapter and reflection paper completeness: Sufficient coverage of info, extends topic and class
- 4. Overall chapter creativity: Original and distinctive ideas, insightful points, something unique in it such as a figure, model, graph, timeline, comparison chart, acronym, quote or set of quotes, etc.
- 5. Overall reflection paper insightfulness, depth of thought, flow, informational content, etc.
- 6. Shared and discussed in Canvas and in Class
Option 2. Cool YouTube Video Creation

So you want to be cool? You want to be creative? In this option, you are to create a shared online video (e.g., YouTube) related to this class. You cannot be the only person in it. What do different topics in this course mean to you? Alternatively, you can design a YouTube video for someone else. You should post this video of at least 5 minutes in length. You will turn in a 2-3 page single-spaced summary reflection of your design. Your video and paper will be graded according to the dimensions listed below.

Video Grading (70 Total Points or 10 pts each dimension):
1. Insightfulness, creativity, and originality;
2. Design and visual effects;
3. Coherence and logical sequence;
4. Completeness;
5. Relevance and accuracy of the content;
6. Shared and discussed in Canvas and in class;
7. Overall quality of assignment

YouTube Video Final Project Examples (from R685 from 2010, 2011, and 2012):
1. Cesur Dagli (Animal perspectives on course): [http://www.youtube.com/watch?v=cDeTEIdO5lc](http://www.youtube.com/watch?v=cDeTEIdO5lc)
2. Julie Rust (Participatory Learning): [http://www.youtube.com/watch?v=cHx_SbRWW0M](http://www.youtube.com/watch?v=cHx_SbRWW0M)
3. Lisa Yoder (eLearning a Walk in the Park): [http://www.youtube.com/watch?v=paot_zzG_wU](http://www.youtube.com/watch?v=paot_zzG_wU)
4. Lynn Deno: Tech, Enhancing Home School: [http://www.youtube.com/watch?v=ts45BkAnqTs](http://www.youtube.com/watch?v=ts45BkAnqTs)
5. Mag Webber (Virtual Learning - Is it for You?): [http://www.youtube.com/watch?v=xiwSlryPzsQ](http://www.youtube.com/watch?v=xiwSlryPzsQ)
6. Miguel Lara (Web 2.0 FREEDOM): [http://www.youtube.com/watch?v=8cmCFWj9IW8](http://www.youtube.com/watch?v=8cmCFWj9IW8)
7. Olgun Sadik (R685 overview): [http://www.youtube.com/watch?v=unaBQlqYo8Y](http://www.youtube.com/watch?v=unaBQlqYo8Y)
8. Shuya Xu and Yue Ma (Blog my online lrng): [http://www.youtube.com/watch?v=im7GQMzfzhc](http://www.youtube.com/watch?v=im7GQMzfzhc)
11. Husa Alangari & Sara Goodwin: R685 Final Project (Video), Fall 2011: [http://www.youtube.com/watch?v=W28rBpYhxX0](http://www.youtube.com/watch?v=W28rBpYhxX0)
14. Troy Cockrum, April 2016, The Making of an Adventurer (video), [https://www.youtube.com/watch?v=ew6e7Chd9I8](https://www.youtube.com/watch?v=ew6e7Chd9I8)

Option 3. R685/R678 Course Syllabi Historical Evaluation:
Perhaps, like me, you like history. A version R678 was first co-taught at West Virginia University by Dr. W. Michael Reed and myself back in the fall of 1990. Since that time, this course has evolved into many formats. Below are links to more than a dozen syllabi from the course including the present one. Unfortunately, I have yet to locate the original version but did find an outline of the topics addressed. If you select this option, I want you to track the history of this course over time. For instance, you might explore the topics, people, concepts, etc., that were
popular in the 1990s, 2000s, and today. You will turn in a 4 to 5 page single spaced paper on what you discovered. Additional pages may be attached such as reference lists, visuals depictions mapping out trends over time, correspondences with researchers about their articles from previous versions of the course, and interviews with scholars about their perceptions of changes in the field over time. You might, in fact, gather oral histories or accounts from experts as well as former students about how the field has changed.

Many questions can be asked. Among them, are there any topics that remain popular over the past two decades? How did the focus of this course change over time? Is this course more or less important today than it was back in the 1990s? Is the total number of pages any indicator of how the field has changed? If so, in what ways? Please compare the tasks from 1995 to those in 2001 or 2002 as well as 2010, 2012, 2013, 2015, and 2016. Please look at the books, journals, new sources, online resources, etc. that now comprise this course and note how they have changed over time. Is there anything from the 1990s that remains important today and should be added back to the current syllabus? Are there any tasks, activities, or articles that you found interesting and want to know more about? Is there anything that remains missing despite the fact that the current syllabus is now over 60 pages long? What do see about the field of education or educational technology from browsing through these syllabi and resources?

You should end your paper with 1-2 page single spaced reflection of your own learning in this course. Included in that summary should be an account of what inspired or mattered to you. In addition, you might reflect on the areas wherein you learned or grew the most during the semester.

**Sample Prior P600/R685/R678 Syllabi:**

13. Fall 2003: [http://php.indiana.edu/~cjbonk/p600syl2.htm](http://php.indiana.edu/~cjbonk/p600syl2.htm)

**History Evaluation Grading (70 Total Points or 10 pts each dimension):**

1. Insightfulness, creativity, and originality;
2. Learning growth displayed;
3. Coherence and logical sequence;
4. Completeness and fulfills spirit of the assignment;
5. Relevance and accuracy of the content;
6. Shared and discussed in Canvas and in class;
7. Overall quality of assignment

**Option 4. Student Selection Option (e.g., Usable Class Product):**

Students choosing Option 4 might design their own final project or combine ideas together into something truly unique (i.e., a mash-up). As part of this effort, they might create or perform a meaningful activity for the class. For example, you might summarize the learning principles embedded in different articles or readings for each week of the course. Or, they might create a unique categorization scheme of the technology tools and resources studied during the semester. The more ambitious of you might create an interactive multimedia glossary or comprehensive Website for the course as an individual or as part of a team. Still others might create an online database of articles from two or more open access journals related to emerging learning technologies including links to the major themes and trends in those journals over a significant period of time (e.g., 3-5 years).

There are still more options. Among them, you might create a mobile application, an educational activity in a virtual world, an interesting global collaboration activity or partnership, or a mobile book. Others might organize a class mini-conference or real conference symposium or demonstrate a set of e-learning tools to your school, company, or organization and then reflect on it. Such tools might have relevance in K-12, military, corporate, or higher education settings or perhaps in more informal settings such as a museum, zoo, or computer club.

You might also engage in a major problem-based learning project related to this class with a school, company, organization, or institution. In this option, you make the contact and find out what needs to be resolved and then get it approved by the instructor. The final product might be a distance learning evaluation project. It might involve the design of e-learning tools and resources. It might entail the creation of a strategic plan, white paper, or vision statement. Whatever the problem or task, it must be authentic. Anyone selecting this option should include a 2-4 page single-spaced reflection paper on what you learned (Note: any final project report to an organization or institution can substitute for that final reflection paper). The grading scheme will be project specific.

**Student Selected Option Examples:**
1. Abdullah Altuwaijri (Prezi on class): [http://prezi.com/8h7grxlyaymv/the-world-is-open/](http://prezi.com/8h7grxlyaymv/the-world-is-open/)
6. Sonja Strahl (summary of R685), Final Project in Articulate, December 2012 [http://oit.nl.edu/rich_content/Faculty_Content/Strahl/final_project_r685v2/player.html](http://oit.nl.edu/rich_content/Faculty_Content/Strahl/final_project_r685v2/player.html)
   Screencast video: [http://www.youtube.com/watch?v=8N1RIwpQcjg&feature=plcp](http://www.youtube.com/watch?v=8N1RIwpQcjg&feature=plcp)
Volunteerism Note: If you want to volunteer your services as part of your final project, you might check out Designers for Learning: [http://designersforlearning.org/](http://designersforlearning.org/)

**Option 5. OpenCourseWare (OCW) or MOOC Review Option**

Recently, there is a huge explosion of open educational contents. Among these new learning resources are open educational resources (OER), OpenCourseWare (OCW), and massive open online courses (MOOCs). OCW and OER typically are freely available contents without direct contact with instructors. MOOCs are instructor-driven courses which are usually free and open to the world community, thereby involving large enrollments. An optional assignment idea for this class is to explore or enroll in one or two massive open online courses (MOOCs) related to learning, cognition, and instruction. Even if you do not select this task, you might explore a few of these MOOCs and observe how they are conducted. And then reflect, reflect, reflect!

You could replace the midterm or final by enrolling in one or more MOOCs and writing a 2-4 page single spaced reflection paper on what you learned as it relates to various topics from this course (Note: you might include a recap table or chart at the end summarizing key concepts or ideas mentioned in your paper). You would NOT have to complete the course; just sit in and lurk if you want. Your MOOC review paper should include your insights about the learning environment and learning theories relied upon as well as a few specific examples of instructional tasks and ideas from the course. It will be graded for: (1) connections to course content; (2) coherence and organization; and (3) overall insights and conceptual understandings.

If you complete the course or get a certificate (Coursera calls these “Signature” courses), you can replace your final assignment. Even if you do you not complete a MOOC, you could replace your final assignment if you write a longer reflection paper or extend the assignment in some way (e.g., interview the MOOC instructor(s) about their instructional approaches and beliefs about learning; interviewing other participants/students taking this course about their learning experiences; etc.). As part of these efforts, you might also explore some of the open educational portals and contents listed in your syllabus or that you find online.

**Some questions you might ask before writing your paper:**

- What is the overall feel of this learning environment? Is there any particular learning approach or philosophy that you feel or experience?
- What aspects of learning and instruction are addressed in this MOOC or by this open educational resource? Stated another way, what theory of learning and instruction does the instructor or the course design tend to rely upon?
- What learning theory or perspective might be used to improve the course? How might you improve this course if asked?
• Are there any specific learning concepts and principles embedded in any module or in multiple modules of the course?
• How does the MOOC utilize existing OER content? How might it better take advantage of such resources?
• Which tasks or activities seem most effective and why? What are the most creative?
• What is the least effective aspect of this course and why?
• What aspects of learning and instruction or theoretical perspective do you understand better now? And why?

Portals to MOOC courses:
1. MOOC Provider Companies and Organizations:
   2. Canvas: https://www.canvas.net/
   3. Coursera list of courses: https://www.coursera.org/courses?orderby=upcoming
   5. edX courses: https://www.edx.org/course-list
   6. FutureLearn: https://www.futurelearn.com/courses/upcoming
   7. iversity: https://iversity.org/
   8. NovoEd: https://novoed.com/
   10. Open2Study: https://www.open2study.com/
   11. Udemy: https://www.udemy.com/
   12. Udacity: https://www.udacity.com/courses#!/all

MOOC Lists:
1. Class Central: https://www.class-central.com/subject/education
2. The MOOC List: http://www.mooc-list.com/
3. Open Culture: http://www.openculture.com/free_certificate_courses
4. TechnoDuet: http://www.technoduet.com/a-comprehensive-list-of-mooc-massive-open-online-courses-providers/

MOOC Review Grading Criteria if a Final Project (70 Points; 10 points each):
1. Insightful/Originality: innovative ideas, insightful relationships drawn about MOOCs and open education, helps the reader form new understandings about MOOCs.
2. Interesting: engaging writing, unique perspective on MOOCs and open education.
3. Completeness: thorough, detailed, dig deep, effort, fulfills spirit of the assignment.
4. Relevance: concepts and ideas from MOOC experience appropriate and related to class, perhaps includes a recap list or summary table of what learned.
5. Content: learning displayed, made several key connections to class from MOOC experience, highly informative reflection (helps the reader form new understandings).
6. Exploratory and Reflective: pushing out, metacognitive, reflecting on oneself as a learner or on how fellow learners benefit from MOOCs, shows that one was reflecting on the experience both as a learner as well as in light of the content of this class.
7. Coherent, Logical Flow, and Well Organized: easily read, transitions, conclusions, logical flow to the critique or review of MOOCs or MOOC experience, well organized review, sequence of ideas makes sense.
8. I will also look for: breadth/depth of thought, knowledge growth displays, understands theories, concepts, and principles in relation to the MOOC experience. And I will want to see some critical thinking displayed including sound analysis and evaluation of instructional approach taken in MOOC, logical, backs up claims.
**Grading Note #1:** I will use a rubric for the above. Write me an email if you would like to see that rubric.

**Grading Note #2:** Extra consideration (and the potential for bonus points) given for those who cite references on MOOCs or open education, create a summary or recap table of terms or concepts mentioned in their reflection paper, participate in more than one MOOC, and those who actually complete the course. Summary or recap tables are especially welcome.

**Class Sharing of Final Projects:** I want you to post your final projects to Canvas (my instructional assistants can help). In addition, during our final class session on April 24, some people “might” briefly share their final projects. Do not worry about the presentation part. I will contact you ahead of time if needed. But I do take volunteers.

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**Weekly Reading Requirements**
We will read 3-4 main articles and 2-4 tidbits per week—it is your choice what to read.

**Projected Seminar Weekly Topics:**

**Week 1. (January 9) Introduction to the Open World: Visionaries and Visions**
6. Charles A. Wedemeyer, University of Wisconsin  
   b. About: [http://www.uwex.edu/disted/conference/wedemeyer/aboutcw.cfm](http://www.uwex.edu/disted/conference/wedemeyer/aboutcw.cfm)  
d. A Brief History of Distance Education: [http://www.seniornet.org/edu/art/history.html](http://www.seniornet.org/edu/art/history.html)

e. Mildred B. & Charles A Wedemeyer Award:  
   [http://www.uwex.edu/disted/conference/wedemeyer/](http://www.uwex.edu/disted/conference/wedemeyer/)

f. In Memorandum:  
   [http://www.tandfonline.com/doi/abs/10.1080/08923649909527031#preview](http://www.tandfonline.com/doi/abs/10.1080/08923649909527031#preview)

   [http://uwpress.wisc.edu/books/1954.htm](http://uwpress.wisc.edu/books/1954.htm)


   "The Mother of All Demos" is a name given retrospectively to Douglas Engelbart's December 9, 1968, demonstration of experimental computer technologies that are now commonplace. The live demonstration featured the introduction of the computer mouse, video conferencing, teleconferencing, hypertext, word processing, hypermedia, object addressing and dynamic file linking, bootstrapping, and a collaborative real-time editor."

   a. The Mother of All Demos, presented by Douglas Engelbart (1968) Original Video on YouTube (140:52):  
      [https://www.youtube.com/watch?v=yJDv-zdhzMY](https://www.youtube.com/watch?v=yJDv-zdhzMY)

      [https://www.youtube.com/watch?v=VeSgaJt27PM](https://www.youtube.com/watch?v=VeSgaJt27PM)

Videos:

   a. Video (11:34), April 13, 2016: The Fourth Industrial Revolution:  
      [https://www.youtube.com/watch?v=kjY5LWF3tg](https://www.youtube.com/watch?v=kjY5LWF3tg)

   b. Video (2:28), CNN Money (Tech), August 6, 2016:  

Week 1 Tidbits:

   a. January 3, 2017, College is Over, Roger Schank, LinkedIn,  


   c. Scott Carlson, September 5, 2016, How Gopher Nearly Won the Internet, Chronicle of Higher Education,  


   e. Book: The Fourth Industrial Revolution, Klaus Schaub  
      [https://www.amazon.com/Fourth-Industrial-Revolution-Klaus-Schaub-ebook/dp/B01AIT6SZ8#navbar](https://www.amazon.com/Fourth-Industrial-Revolution-Klaus-Schaub-ebook/dp/B01AIT6SZ8#navbar)

   f. Lauren Camera, June 20, 2016, Coursera on a Mission to Help Refugees  
      US News and World Report,  

   g. Knod, allows learner to work with employers to diagnose skills gaps, then provide a
platform to deliver content to build those skills in a learn by doing experiences, real projects with employers, [http://www.knod.net/](http://www.knod.net/)


**Week 2. (January 16) Alternate Reality Learning: VR, AR, Gaming, and Simulations**


**Video** (2:02), January 12, 2015: Microsoft HoloLens - Transform your world with holograms: [https://www.youtube.com/watch?v=aThCr0PsyuA](https://www.youtube.com/watch?v=aThCr0PsyuA)

**Week 2 Tidbits:**


c. The Quest to Put More Reality in Virtual Reality, Tony Simonite, October 22, 2014,
e. Microsoft HoloLens is coming to more Lowe's, Marco della Cava, September 27, 2016, USA Today http://www.usatoday.com/story/tech/news/2016/09/26/microsoft-expands-lowes-hololens-design-scope/91115600/


Some virtual world and gaming people:
1. Craig Kapp, Clinical Professor, NYU. http://cims.nyu.edu/~kapp/; kapp@cs.nyu.edu (AR/VR pop-up books) (keynote at E-Learn in Hawaii in 2011)
2. Dr. Michael Young (was Sasha’s advisor), University of Connecticut, http://education.uconn.edu/person/michael-young/; michael.f.young@uconn.edu; http://web2.uconn.edu/myoung/
3. Dr. Kurt Squire, https://www.gameslearningsoociety.org/bio_kurt.php; https://ci.education.wisc.edu/ci/people/faculty/kurt-squire; kdsquire@education.wisc.edu
4. Dr. Constance Steinkueeler, Co-Director, Associate Professor, Education, Games Learning Society, http://wid.wisc.edu/profile/constance-steinkuehler/; steinkuehler@wisc.edu
6. Dr. Bonnie Nardi, UC Irvine, nardi@uci.edu; http://www.artifex.org/~bonnie/ (known for ethnography and virtual worlds and activity theory and human-computer interaction); https://mitpress.mit.edu/authors/bonnie-nardi

7. Dr. Sara de Freitas, Pro Vice Chancellor (Learning and Teaching), Murdoch University, Australia, http://profiles.murdoch.edu.au/myprofile/sara-de-freitas/, S.deFreitas@murdoch.edu.au (formerly head of the Serious Gaming Center in Coventry, UK; see also http://www.seriousgamesinstitute.co.uk/applied-research/Sara-de-Freitas.aspx)

8. Dr. David Gibson, Curtin University, Australia, David.C.Gibson@curtin.edu.au; http://oaasisapps.curtin.edu.au/staff/profile/view/David.C.Gibson

9. Dr. Karl Kapp, http://karlkapp.com/, karlkapp@gmail.com (gamification books) (Keynote at the Madison conference in August)


Week 3. (January 23) The Sudden Explosion of E-Books and E-Book Readers


6b. Jhangiani, R. S., Green, A., & Belshaw, J. D. (2016). Multiple approaches to open textbook


Note: Rajiv Jhangiani, Surrey, BC, Canada, rajiv.jhangiani@kpu.ca, teaches psychology at Kwantlen Polytechnic University.
University Homepage: http://www.kpu.ca/arts/psychology/faculty/rajiv-jhangiani
Personal Homepage: https://thatpsychprof.com/
Publications: https://thatpsychprof.com/scholarship/open-education/

Videos:

Week 3 Tidbits:

textbook.aspx


Videos:


b. September 2, 2014, LearningField Case Study: Penleigh and Essendon Grammar School, Melbourne, https://www.youtube.com/watch?v=oBemtFTDF1g#t=146

E-Book Resources and Companies (mobile ones too):

2. Beyond Textbooks: http://beyondtextbooks.org/
8. Degreed: https://degreed.com/
12. The Global Text Project (creating books for underdeveloped countries): http://globaltext.terry.uga.edu/
15. International Children’s Digital Library, http://en.childrenslibrary.org/ (Note: The ICDL collection includes 4,619 books in 59 languages; users come from 228 different countries.)
18. LibriVox: http://librivox.org/
22. NY Public Library Portal to Children’s e-books: http://kids.nypl.org/ebooks
27. OpenStax College: http://openstaxcollege.org/
28. Project Gutenberg: http://www.gutenberg.org/wiki/Main_Page
29. Questia: http://www.questia.com/
32. Seeds of Empowerment (Paul Kim, creating tools for the underdeveloped world; e.g., iPhone applications for storytelling and social entrepreneurship) http://seedsofempowerment.org/
33. Subtext: http://subtext.com/
34. Tumblebooks: http://www.tumblebooks.com/
35. World Public Library: http://worldlibrary.net/

Week 4. (January 30) The Expansion of Blended and Fully Online Learning
   e. Allen, I. E., & Seaman, J. (2011, November). Going the Distance: Online Education in
http://www.onlinelearningsurvey.com/reports/goingthedistance.pdf

i. Informgraphic:  
http://www.onlinelearningsurvey.com/reports/OnlineLearningSurvey-Infographic.png


Homepage: http://www.christenseninstitute.org/publications/state-of-opportunity/; Full Report:  
http://learningaccelerator.org/media/abc5d315/Ohio%20Report%20101415_F.pdf

http://www.sonicfoundry.com/sites/default/files/the_blended__virtual_learning_frontier_2.pdf

6. K-12 Online Learning:
      i. Note: The above Blended Reports from the Innosight Institute:  
http://www.innosightinstitute.org/media-room/publications/education-publications/classifying-k-12-blended-learning/
      ii. Blended Learning Universe, Clayton Christensen Institute;  
https://www.youtube.com/channel/UCWoz9cN2KT93VujFnGqL8MQ;  
http://blendedlearning.org/
      iii. Video: What is Blended Learning? Clayton Christensen Institute;  
https://www.youtube.com/watch?v=RSPgywZMdS8

Blended Learning Videos:
1. **PBS Video (2016):** “Putting the Blend in Blended Learning,” Public Media Connect--CET/ThinkTV, PBS, Cincinnati, Ohio. February 18, 2016. (including interview of Curt Bonk, Indiana University)


2. October 2008 STARLINK program on blended learning in higher education (Curt Bonk and 3 other college Faculty). Strategies from the Front Line: Best Practices from Hybrid Instructors, filmed in Dallas for a STARLINK program on blended learning. STARLINK is an agency of the Texas Association of Community Colleges. http://www.trainingshare.com/starlink4.html#c8

3. February 2009 STARLINK program on best practices and tips for online learning in higher education (Curt Bonk). Award-winning Tools, Tips, and Techniques for Online Instruction. It features successful teaching strategies and demos that award winning instructors have found to be their best practices. http://www.trainingshare.com/starlink4.html#b9


Week 4 Tidbits:


i. May 6, 2016, Texas districts are rethinking technology integration, Heather Staker, Christensen Institute, http://www.christenseninstitute.org/blog/texas-districts-are-rethinking-technology-integrations/

j. April 29, 2016, The Keys to Designing Successful Open Course Experiences (interview of Curt Bonk), by David Raths, Campus Technology, Available:


n. January 5, 2016, Examine the Benefits, Drawbacks of Online Learning for Introverts (interview with Curt Bonk and others), U.S. News and World Report, Jordan Friedman http://www.usnews.com/education/online-education/articles/2016/01/05/examine-the-benefits-drawbacks-of-online-learning-for-introverts

o. September 16, 2015, Not Your Mother's Blended Learning, Chief Learning Officer, Randy Emelo, president and CEO of Triple Creek River, a provider of enterprise social learning software, Available: http://www.clomedia.com/2015/09/16/not-your-mothers-blended-learning/


x. February 5, 2015, The MOOC Hype Fades, in 3 Charts, Steve Kolowich, The Chronicle of Higher Education


z. February 5, 2015, Online Enrollment Growth Slows, But Still Outpaces Brick-and-Mortar, Campus Technology, Rhea Kelly

aa. January 29, 2015, Coursera, K12, Inc. make bold moves to drive learning, Michael B. Horn, Clayton Christensen Institute http://www.christenseninstitute.org/coursera-k12-inc-make-bold-moves-to-drive-
learning/
a. Video: January 21, 2015, Bill & Melinda Gates: Our Big Bet https://www.youtube.com/watch?v=7DmpncBDibA

Week 5. (February 6) Extreme, Nontraditional, and Adventure Learning
2. Miller, C., Veletsianos, G., & Doering, A. (2008). Curriculum at forty below: a phenomenological inquiry of an educator/explorer’s experience with adventure learning in the Arctic. Distance Education, 29(3) 253-267. (Note: must have access from library for this article: http://www.tandfonline.com/doi/pdf/10.1080/01587910802395789 another link to it: http://www.tandfonline.com/doi/abs/10.1080/01587910802395789 (see download PDF link)


**Week 5 Tidbits:**

- e. Faith Karimi, May 14, 2016, Learning is more Immediate… Mastodon bones offer clues of earlies humans in North America, *CNN* Abstract: [http://advances.sciencemag.org/content/2/5/e1600375](http://advances.sciencemag.org/content/2/5/e1600375) Full Article: [http://advances.sciencemag.org/content/2/5/e1600375.full](http://advances.sciencemag.org/content/2/5/e1600375.full) Supplemental materials (PDF): [http://advances.sciencemag.org/content/suppl/2016/05/10/2.5.e1600375.DC1/1600375_SM.pdf](http://advances.sciencemag.org/content/suppl/2016/05/10/2.5.e1600375.DC1/1600375_SM.pdf)

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September 7, 2015, New ‘Superhenge’? Remains found near Stonehenge, Monica Sarkar, CNN


If the MOOC movement has faded, nobody told Jima Ngei. Mr. Ngei, who lives in Port Harcourt, Nigeria, has completed and passed 250.
x. April 10, 2015, 103-year-old Marie Hunt fulfills her lifelong dream to graduate from high school, NBC, WMTV Madison (Spring Green, Wisconsin), Available: http://www.nbc15.com/home/headlines/103-year-old-Spring-Green-woman-fulfills-life-long-goal-299361331.html


Videos:

1. April 28, 2015, Video: The day in tech, How A 7-year-old helped find a brand-new group of dinosaurs | 01:40, USA Today

2. Sugata Mitra (2013). Build a School in the Cloud; Self-Organized Learning Environments (SOLEs), TED Talk from Sugata Mitra,
http://www.ted.com/talks/sugata_mitra_build_a_school_in_the_cloud.html

3. July 23, 2015, Expeditions, Google Cardboard, Google for Education,
https://www.google.com/edu/expeditions/
https://www.youtube.com/watch?v=mlYJdZeA9w4
https://www.youtube.com/watch?v=wuQGd9I3FGA&list=PLQnexh7vCIcNkpKuUV_KarvLM_CbZHv0&index=1
   \[http://www.youtube.com/watch?v=dk60sYrU2RU&feature=channel\]

Open Ed, Outdoor/Environmental/Adventure Learning People and Web Sites:
5. Charlie Miller (Univ. of Minnesota): \[http://www.cehd.umn.edu/ci/People/profiles/miller.html\]
15. Explore Arctic: \[http://www.explore.org/search/?q=arctic\]
17. The Freshwater Switchyard of the Arctic Ocean: \[http://psc.apl.washington.edu/switchyard/overview.html\]
21. History for Music Lovers: \[http://www.youtube.com/user/historyteachers\]
22. TEDxHonolulu - History Teachers.m4v: \[http://www.youtube.com/watch?v=oWZ1_ATuo0o\]
23. Ice Stories: \[http://icestories.exploratorium.edu/dispatches/\]
27. Jon Bowermaster (Notes from Sea Level): \[http://www.jonbowermaster.com/\]
30. Laura Dekker: \[http://www.lauradekker.nl/English/Home.html\]
32. Michael Perham: http://www.mikeperham.co.uk/
34. Mountainworld Productions: http://www.mountainworldproductions.com/
37. Noodle: https://www.noodle.com/
40. One World Expeditions: http://www.oneworldjourneys.com/
41. OpenEd: http://www.opened.io/
42. Open Education Europa: http://openeducationeuropa.eu/
43. Openwords: https://www.facebook.com/Openwords
44. Patrick Hollingworth: http://patrickhollingworth.com/
46. Polar Bears International: http://www.polarbearsinternational.org/
47. Polar Husky: http://www.polarhusky.com/
49. PolyglotPal’s Channel: http://www.youtube.com/user/PolyglotPal
52. StudyCloud: https://www.mystudycloud.com/
53. Wayne Hodgins: http://waynehodgins.typepad.com/about.html
54. The World by Road: http://www.theworldbyroad.com
55. Travel Blog: http://www.travelblog.org/

Live and Immediate Science
1. The Brain Observatory: http://brainandsociety.org/the-brain-observatory/
2. The Link: http://www.revealingthelink.com/

Week 6. (February 13) Open Educational Resources (OER) and OpenCourseWare (OCW)


**Note Free Books:**
   http://www.ubiquitypress.com/site/books/

**Week 6 Tidbits:**

g. Jeffrey R. Young, May 4, 2016, This Mongolian Teenager Aced a MOOC Now He Wants to Widen Their Impact, (140,000 people take the MIT MOOC on Circuits and Electronics, 1 of 300 to get a perfect score) The Chronicle of Higher Education, http://chronicle.com/article/This-Mongolian-Teenager-Aced-a/236362

h. April 4, 2016, MIT OpenCourseWare is 15!, http://ocw.mit.edu/about/15-years/ and Video (2:07): Thank you for 15 years of open sharing: https://www.youtube.com/watch?v=nBDFbsq10T0


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Videos:


Week 7 (February 20). Open Education & Massive Open Online Course (MOOCs)

1. Special issues on Massive Open Online Courses (MOOCs), Journal of Online Learning and Teaching (JOLT) and International Review of Research on Open and Distributed Learning (IRRODL).


   d. JOLT: June 2013, 9(2), [http://jolt.merlot.org/Vol9_No2.htm](http://jolt.merlot.org/Vol9_No2.htm)

   e. JOLT: March 2014, 10(1), [http://jolt.merlot.org/Vol10_No1.htm](http://jolt.merlot.org/Vol10_No1.htm)


      Dr. Manuel Cebrián-de-la-Serna - University of Malaga – Spain, and Dr. Philip Desenne - Harvard University - USA


Or:


Videos:


2. Curt Bonk, November 2014, ([Compressed]. [High Def]; [Low Def]), (16 minutes). Shenzhen, China: Learning is Changing: MOOCs, The Open World, and Beyond. ([Dropbox slides](http://moocsbook.com/)).

Short Videos on MOOCs and Open Education:


3. Dhawal Shah, August 12, 2016, Class Central’s Top 50 MOOCs of All Time, Class Central Blog “Now there are close to 6,000 MOOCs from 600+ universities around the world.” [https://www.class-central.com/report/top-moocs/](https://www.class-central.com/report/top-moocs/)


Article: http://www.washingtonpost.com/opinions/why-i-spent-10th-grade-online/2013/08/22/f2001640-ed8a-11e2-bed3-b9b6fe264871_story.html

12. UK enters expanding online learning market with MOOCs, BBC, Sept. 18, 2013, 2:20; Video and Article: http://www.bbc.co.uk/news/uk-24153128

13. Will Massively Open Online Courses Transform the Way, Aspen Institute, June 30, 2013; Full Session (59:25): http://www.youtube.com/watch?v=VAlu1HUiUg8;


15. Andrew Ng and Anant Agarwal on the Creation of the MOOC Movement (4:07; use last 2 minutes on active learning and peer-to-peer learning in MOOCs): http://www.youtube.com/watch?v=OXn1DstAEuE

16. What is a MOOC, July 1, 2013, BBC, 8:23 minutes: http://www.bbc.co.uk/news/education-23127327


18. The Benefits of Online Learning, Anant Agarwal, the founder and president of edX, an online education company, shares what he considers the top six advantages of online learning., October 8, 2013, 2:20 minutes: Article: http://online.wsj.com/article/SB10001424052702303759604579093400834738972.html; Videos: http://online.wsj.com/article/SB10001424052702303759604579093400834738972.html#project%3DMOOCchrtPRINT%26articleTabs%3Dinteractive Video: http://online.wsj.com/article/SB10001424052702303759604579093400834738972.html#project%3DMOOCchrtPRINT%26articleTabs%3Dvideo


9. October 8, 2013, An Early Report Card on Massive Open Online Courses, Geoffrey A. Fowler, WSJ Online http://online.wsj.com/article/SB10001424052702303759604579093400834738972.html#project%3DMOOCchrtPRINT%26articleTabs%3DInteractive Video: http://online.wsj.com/article/SB10001424052702303759604579093400834738972.html#project%3DMOOCchrtPRINT%26articleTabs%3Dvideo


Week 7 Tidbits:
c. December 22, 2016
d. December 18, 2016
Best Online Courses of 2016, Class Central https://www.class-central.com/report/best-free-online-courses-2016/
e. December 13, 2016
scholarships-for-mooc-completion/

s. November 19, 2015, MOOCs From a Worker’s Perspective LinkedIn. Alberto Julián, available: https://www.linkedin.com/pulse/moocs-from-workers-perspective-1-alberto-juli%C3%A1n
https://www.linkedin.com/in/alberto-juli%C3%A1n-5a544b8

t. November 19, 2015, MOOCs biggest Month: Choose From 1,100 MOOCs In October, Class Central Blog, (More MOOCs Available This Month Than Any Previous Month ) https://www.class-central.com/report/moocs-biggest-month/


x. September 22, 2015, What We’ve Learned From MOOCs, Candace Thille, John Mitchell and Mitchell Stevens, Inside Higher Ed.


ff. April 1, 2015, Three Insights from the HarvardX and MITx Year Two Reports, Education Week, Justin Reich, HarvardX Research Fellow http://blogs.edweek.org/edweek/edtechresearcher/2015/04/three_insights_from_the_harvardx_and_mitx_year_two_reports.html

Inexpensive Online Learning and MOOC Related Organizations and Institutions:

1. Coursera: https://www.coursera.org/
2. edX: https://www.edx.org/
3. edX high school initiative: https://www.edx.org/high-school-initiative
4. edX partners: https://www.edx.org/schools-partners
5. FutureLearn: https://www.futurelearn.com/
6. Global Freshman Academy, edX: https://www.edx.org/how-it-works
7. Handbook of Open Universities: 
8. MITX: https://www.edx.org/university_profile/MITx
14. University of the People: http://www.uopeople.edu/

Somewhat Shady and/or Nefarious Websites (there are many others):
✓ BoostMyGrade.com: http://www.boostmygrade.com/
✓ NoNeedtoStudy.com: https://www.noneedtostudy.com/myclass/
✓ Unemployed Professors.com: http://unemployedprofessors.com/

Week 8 (February 27). More MOOCs and Open Education Around the World


Or read: anything on MOOCs from:
Justin Reich of MIT: https://scholar.google.com/citations?user=ihnlfqIAAAAJ&hl=en
Andrew Ho of Harvard: https://scholar.google.com/citations?user=oxiFUrEAAAAJ&hl=en

Week 8 Tidbits:

a. May 20, 2016, agMOOCs (India): http://www.agmoocs.in/
c. November 17, 2015, Udacity and Google Unveil Co-Developed Nanodegree, John K. Waters, Campus Technology.
f. October 8, 2015, MIT New Model, Carl Straumsheim, Inside Higher Ed.
h. October 7, 2015, MIT Unveils ‘MicroMaster’s,’ Allowing Students to Get Half Their Degree From MOOCs, Andy Thomason, Chronicle of Higher Education.
k. September 14, 2015, When a Degree Is Just the Beginning: Today’s employers want more, say providers of alternative credentials, Chronicle of Higher Education, Goldie Blumenstyk.


Week 9. (March 6) Motivation in Informal and Self-Directed Online Learning Environments (including online language learning)


Week 9 Tidbits:


**Some Language Learning Sites:**

   a. ESL: [http://esl.about.com/](http://esl.about.com/)
   c. German: [http://german.about.com/](http://german.about.com/)
   d. Italian: [http://italian.about.com/](http://italian.about.com/)
   g. Spanish: [http://spanish.about.com/](http://spanish.about.com/)

2. BBC Languages: [http://www.bbc.co.uk/languages/](http://www.bbc.co.uk/languages/)

3. BBC Learning English: [http://www.bbc.co.uk/worldservice/learningenglish/](http://www.bbc.co.uk/worldservice/learningenglish/)


8. German Online: [http://www.dw-world.de/dw/0,,2547,00.html](http://www.dw-world.de/dw/0,,2547,00.html)


16. Langscape Univ of Maryland [https://languagescience.umd.edu/beyond-umd/langscape](https://languagescience.umd.edu/beyond-umd/langscape)


**Week 10. (March 20) Connectivism, Social Media, and Participatory Learning**


   a. Mimi Ito (2014, August 25). Think Education 2014 - Mimi Ito, Google, San Paulo, Brazil (29:21); Video of keynote: [https://www.youtube.com/watch?v=t0uL0d2ShPU](https://www.youtube.com/watch?v=t0uL0d2ShPU)
b. Mimi Ito (2013, October 22). Mimi Ito on Learning in Social Media Spaces (Big Thinkers Series, from Edutopia), (7:24), Video: https://www.youtube.com/watch?v=HF5pxnXwMBY


Free book on Connectivism:

Resources and Videos:
   i. The Conflict of Learning Theories with Human Nature: http://www.youtube.com/watch?v=xTgWt4Uzr54&feature=related
   ii. The Changing Nature of Knowledge: http://www.youtube.com/watch?v=YMcTHndpzYg&feature=related
   iii. The Impact of Social Software on Learning: http://www.youtube.com/watch?v=grI_h88vs3g
   iv. The Network is the Learning: http://www.youtube.com/watch?v=rpbkdeyFxZw&feature=related

Week 10 Tidbits:
      IU Website for fake news visualization: Hoaxy: http://hoaxy.iuni.iu.edu/stats.html
   b. December 12, 2016, Girls Who Build Cameras Have More Fun, Joe Pickett, OCW Publication Director, MIT OCW, http://www.christenseninstitute.org/blog/texas-districts-are-rethinking-technology-integrations/
   k. Marco della Carva (May 19, 2016). Pepper the robot needs U.S. programmers, USA Today
http://www.usatoday.com/story/tech/news/2016/05/18/google-calling-all-android-robot-programmers/84461778/

   This essay is adapted from her new book, Reclaiming Conversation: The Power of Talk in a Digital Age, which will be published by Penguin Press October 6.


o. June 29, 2015, Is Facebook the next frontier for online learning?, Christine Greenhow; greenhow@msu.edu, Andy Henion, Available: http://msutoday.msu.edu/news/2015/is-facebook-the-next-frontier-for-online-learning/


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Week 11. (March 27) Wikis, Wikipedia, Wikibooks, and Collaborative Writing


http://www.usatoday.com/story/tech/news/2016/05/18/google-calling-all-android-robot-programmers/84461778/


Week 11 Tidbits:


b. October 8, 2015, Automating Writing with TextExpander Scripts
Jason B. Jones, Chronicle of Higher Education.

Week 12. (April 3) Shared Online Video and Audio


**Week 12 Tidbits:**


See: Degreed: [https://degreed.com/](https://degreed.com/)


***Video Resources and Portals (56 shared online video portals):***


(e.g., YouTube EDU, TeacherTube, Link TV, Book TV, Clip Chef, Big Think, Google Video, TV Lesson, Wonder How To, National Geographic videos, CNN videos, BBC News, Video, and Audio, Academic Earth, EduTube, iHealthTube, CurrentTV, SchoolTube, Viddler, MasterChef, etc.)

**Video Tools:**

Vialogues: [https://vialogues.com/](https://vialogues.com/)
ForaTV (Live and On-Demand Videos from the World’s Best Conferences and Events) [http://library.fora.tv/](http://library.fora.tv/)

**Oral History Tools**


**Oral History Resources:**

1. The History Harvest: [http://historyharvest.unl.edu/](http://historyharvest.unl.edu/)

**Week 13. (April 10) Flipping the Classroom**


**Week 13 Tidbits:**


b. Dian Schaffhauser & Rhea Kelly, October 12, 2016, 55 Percent of Faculty are Flipping the Classroom, Campus Technology,


i. Adjusting the Prescription: The School of Medicine overhauls its century-old educational approach. Maura Singleton, February 2011, University of Virginia [http://uvamagazine.org/articles/adjusting_the_prescription/](http://uvamagazine.org/articles/adjusting_the_prescription/)


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Flipped Classroom Videos:
https://www.youtube.com/watch?v=USAHX56lWqE&feature=youtu.be
http://mfeldstein.com/explainer-video-on-flipped-class-learning-analytics-and-adaptive-learning
2. I Flip, You Flip, We All Flip: Setting Up a Flipped Classroom (Video: 24:09):
https://www.youtube.com/watch?v=ZRvmijeZ9CA
3. Ohio State Chemistry Flips the Classroom, (Video: 1:10),
https://www.youtube.com/watch?v=6FA_hCmfsp8
4. Flipping The Large Enrollment Psychology Classroom - NC State (Video: 3:45),
https://www.youtube.com/watch?v=QTDQaaVWEzI
5. February 14, 2014, Freddie Diaz-Batista, Flipped Learning, E-learning Blog,
http://freddiediazbatista.com/main/
6. July 11, 2012, Digital distraction in the classroom, by Stephanie Chasteen, The Active Class,
http://theactiveclass.com/category/uncategorized/
http://www.eschoolnews.com/2013/09/09/educators-video-flipped-008/2/?ast=123&astc=11015
To register: www.teacheronline.us/mooc
9. The Flipped Classroom Model, (Video: 3:00), https://www.youtube.com/watch?v=qdKzSq_t8k8
10. Flipping the Class, Penn State (3:23 video), https://sites.google.com/site/flippingclass/
11. Teaching for Tomorrow: Flipped Learning (2:52):
https://www.youtube.com/watch?v=4a7NhUlriQ
12. The Flipped Classroom (2:14); https://www.youtube.com/watch?v=2H4RkudFzlc
13. "Flipping", TechSmith's e-learning trainers series part 5 (Video: 2:54);
https://www.youtube.com/watch?v=BX5BcM0RbB0&feature=relmfu
14. 10 must-watch videos for flipped learning, April 21, 2014, eSchool News, Available:
http://www.eschoolnews.com/2013/10/24/flipped-videos-learning-190/2/?ast=123&astc=11015

Week 14. (April 17) Interactive, Global, and Collaborative Learning (including learning spaces, etc.)


https://www.researchgate.net/publication/26498772_Worldmindedness_Taking_Off_the_Blinders (see also her homepage at ResearchGate:
https://www.researchgate.net/profile/Merry_Merryfield/publications)

**Note:** also in Canvas:


**Note:** More articles from Mimi Miyong Lee at ResearchGate: [https://www.researchgate.net/profile/Mimi_Lee5](https://www.researchgate.net/profile/Mimi_Lee5)

For more related to online videoconferencing, see:

   - i. Georgetown Learning Initiatives, Soliya Connect: [http://gli.georgetown.edu/#soliya](http://gli.georgetown.edu/#soliya)


Week 14 Tidbits: Part I

   http://www.ibtimes.co.uk/japanese-scientists-develop-holograms-you-can-reach-out-touch-1535893
t. October 7, 2013, 6 collaborative writing applications for group projects or papers, Casey Brown, Elon University, Available: http://blogs.elon.edu/technology/6-collaborative-writing-applications-for-group-projects-or-papers/

Week 14 Tidbits Part 2: Classroom Space Articles:


Videos and Resources of New or Remodeled Academic Buildings for Collaboration:
4. Ohio State’s New Library: http://www.youtube.com/watch?v=ak7FEQixqBY
5. Saltire Centre at Glasgow Caledonian (Scotland): http://www.youtube.com/watch?v=xBsGeDa44ic&feature=related
8. Yonsei Library, Seoul, Korea: http://www.youtube.com/watch?v=rLbVIZZ5OoI
   i. Collaborative Spaces—Design Story from Steelcase (5:53; March 10, 2009), http://www.youtube.com/watch?v=sU-jrv3UXi0&feature=related
   ii. Stanford d.school—case study, Steelcase (3:33; December 6, 2010): http://www.youtube.com/watch?v=NSjezj7_6mc&feature=related
10. Izzy Plus and Baker College 21st Century Learning, April 26, 2012 (4:12); http://vimeo.com/39202414

Examples of Interactive Online Timeline Tools:
1. Archaeology’s Interactive Dig: http://www.archaeology.org/interactive/

Collaborative Projects:
1. Asia Society: http://asiasociety.org/education;
2. Center for the Study of Global Change: http://www.indiana.edu/~global/
3. Choices Program (Brown University): http://www.choices.edu/
5. Flat Connections Project: http://www.flatconnections.com/
8. iEARN: http://www.iearn.org/
10. Mentor.net (for engineering, science, and mathematics): http://www.mentornet.net/
11. The News Literacy Project: http://www.thenewsliteracyproject.org/ (mentoring young people into journalism)
15. TakingITGlobal: https://www.tigweb.org/
16. Teach the World Online (TWOL): http://www.teachtheworldonline.org/
17. Tutor/Mentor Institute (Daniel Bassell): http://www.tutormentorexchange.net/

Tools for Collaboration:
2. AnyMeeting: http://www.anymeeting.com/
7. Google Docs: http://docs.google.com
10. Facebook: http://www.facebook.com/
11. FreeConferenceCall: https://www.freeconferencecall.com/
13. GoToMeeting: https://www3.gotomeeting.com/
15. MeetingWords: http://meetingwords.com/
17. OpenStudy: http://openstudy.com/
18. PBworks: http://pbworks.com/
19. Piratepad: http://piratepad.net/front-page/
20. PrimaryPad: http://primarypad.com/ (recommended by “TypeWithMe”)
24. Slideshare: http://www.slideshare.net/
26. TodaysMeet: https://todaysmeet.com/
29. Twitter: http://twitter.com/
30. Ustream: http://www.ustream.tv/
32. Wikispaces: http://www.wikispaces.com/
33. Windows Live Groups: http://groups.live.com/
34. Writeboard: http://writeboard.com/
35. Yahoo! Groups: http://groups.yahoo.com;
37. Zoom: https://zoom.us/

Week 15. (April 24) Mobile, Wireless, and Ubiquitous Learning


4. Pew Internet and American Life Project studies


More from Paul Kim
Pocket School and other projects (e.g., Seeds of Empowerment: http://seedsofempowerment.org/
note: See Canvas for many articles on mobile learning from Paul Kim at Stanford. He was the class
guest in the fall of 2010.). Paul Kim’s Homepage: http://www.stanford.edu/~phkim/
Various articles: https://www.dropbox.com/sh/xrvmtpkhe5vhrn1/AABy84P4pjuWo37ZlZa4K-Hja?dl=0

Seeds of Empowerment videos (Paul Kim, Stanford):
1. India Pocket School video: http://www.youtube.com/watch?v=OKyP_kWPifM
2. Mexico Pocket: http://ldt.stanford.edu/~educ39107/paulk/IFL/trip1/Camalu1_0004.wmv
3. Argentinian: http://www.youtube.com/watch?v=Hd8JEI-k6Zg (my son Alex created)
4. Tanzania (which my son Alex did): https://www.youtube.com/watch?v=Y3vWhJHsgYo;
   Tanzania PPT: http://www.slideshare.net/SeedsofEmpowerment/smile-symposium-presentation-elizabeth-buckner
5. Tanzania FB pics: http://www.youtube.com/watch?v=HM-dJo0LjLk&list=UUuvrQiGFGGPkN5aKg3-iEag&index=2&feature=plcp

Week 15 Tidbits:

a. Edward C. Baig, September 14, 2016, Apple Watch 2 review: get moving and ditch the phone, USA Today,

b. Edward C. Baig and Eli Blumenthal, August 31, 2016 (Engagement)
   Samsung ticks forward with new Gear S3 smartwatch

Video (1:44), February 17, 2016 (Engagement), World’s Cheapest Smartphone at $3.67
https://m.facebook.com/hashtag/launched?refid=52&_tn_=%2As

c. January 20, 2016, Bill Gates, Why the Future is Bright for the World’s Poorest Farmers,

d. June 17, 2015, With Its Invention, This Bengaluru-Based Startup Could Beat Google and

f. August 31, 2015, Samsung unveils Gear S2 smartwatch, USA Today, Brett Molina,
   Available: http://www.usatoday.com/tech/

g. May 14, 2015, Smartphone separation anxiety: How bad is your nomophobia?, Today

h. April 26, 2015, Wearable Teaching? College to Experiment With Apple Watch as
   Learning Tool, Chronicle of Higher Education, Jeffrey R. Young, Available:

i. March 2, 2015, Beware the smartphone zombies blindly wandering around Hong Kong,
   Mark Sharp, South China Morning Post, Available:

j. July 17, 2014, Mobile Health (bio sensors), 7 new smartphone features that will help
define your future, Stewart Wolpin, CNN, Available:  

k. May 5, 2014, Mobile MOOCs: New platform challenges conventional MOOCs  
eCampus News (https://coursmos.com/), Available:  

Learningpool Apps for Learning: https://www.learningpool.com/services/apps-for-learning

Week 16+. (Future) Networks of Personalized Learning and AI Agents

Artificial Intelligence


6. The Horizon Reports (i.e., technology on the horizon): http://www.nmc.org/nmc-horizon/


   b. NMC Horizon Report 2017 Higher Education Preview:  

**Week 16+ Tidbits Part 1: The Personalization of Learning**


l. November 19, 2015, Facebook gives sneak peek into sci-fi future, USA Today, Jessica Guynn.


n. May 7, 2015, AltSchool Promises To Reimagine Education For the 2030s, NPR Ed, Anya Kamnetz, available: http://www.npr.org/2015/05/07/404859293/altschool-promises-to-reimagine-education-for-the-2030s Audio: https://ondemand.npr.org/anon.npr-mp3/npr/me/2015/05/20150507_me_alt_school.mp3


Week 16+ Tidbits Part 2: Artificial Intelligence, Robotics, and Personal Digital Assistants


b. Video: December 12, 2016, Zuckerberg debuts AI voiced by Morgan Freeman, CNN

c. December 26, 2016, Glimpse into the Future of Learning, Jenny Abamu, New Learning Times (NLT),
https://newlearningtimes.com/cms/article/4022/?ddc_source=Via&ddc_medium=E&ddc_name=December%2029%20Newsletter

d. December 26, 2016, Glimpse into the Future of Learning, Sue Hardman, New Learning Times (NLT),

e. Ben Gose (October 23, 2016), When the Teaching Assistant is a Robot, The Chronicle of Higher Education,
http://www.chronicle.com/article/When-the-Teaching-Assistant-Is/238114

f. Eli Blumenthal, October 4, 2016, Get ready Alexa: Google Home will cost $129 and taps Google search, maps, USA Today,

g. Sri Ravipati, September 21, 2016, Udacity Unveils Nanodegree Program for Self-Driving Car Engineers, Campus Technology

h. Dian Schaffhauser, September 11, 2016, Research: Robots Give Chronically Ill Kids Valuable Social Ties with School, THE Journal,

i. Marco della Cava, August 30, 2016, Zuckerberg may debut 'Jarvis' AI assistant next month, USA Today,

j. Jefferson Graham, August 30, 2016, New Siri to work with apps in iOS 10, but not all, USA Today,

k. Ashley Vance and Brad Stone, August 26, 2016, Welcome to Larry Page’s Secret Flying-Car Factories: With Zee.Aero and Kitty Hawk, the Google co-founder looks to the skies, Bloomberg Businessweek

l. Marco della Cava, August 22, 2016, Microsoft acquires AI assistant start-up Genee USA Today (Cortana),

m. Ryan Peterson, August 18, 2016, 1. Deploying Swarms of Drones with…2. The Driverless Truck is Coming and…Flexport News/Blog,
https://www.flexport.com/blog/deploying-drones-self-driving-trucks/
n. Meris Stansbury, August 16, 2016, 3 reasons why AI is education’s future, eCampus News, http://www.ecampusnews.com/disruptions-and-innovations/ai-educations-future/?ps=cjbonk@indiana.edu-0013000000j08pF-0033000000q5TNf


r. Edward C. Baig, May 9, 2016, Siri creator introduces Viv, the new AI assistant, USA Today, http://www.usatoday.com/story/tech/columnist/baig/2016/05/09/siri-creators-think-they-have-smarter-brainchild/84133244/

