Advanced Special Topics Course in Learning Sciences

Fall 2017, P674: Current Issues in Online Learning (#30723, Fully Online)

Daniel Hickey, Professor and Program Coordinator, Learning Sciences Program

This course will help students design solutions for the many opportunities and challenges presented in fully online teaching contexts. It will prepare students to design, offer, and refine outstanding online courses, provide leadership and conduct research in this area, and take full advantage of emerging technologies. It will focus particularly on emerging issues and features that employers are likely to be looking for

Upon completion of the course, students should be able to apply and discuss the topics covered each week in a personally relevant instructional context. The topics will be finalized in consultation with students. Expected topics include

- **Learning Management Systems** (advantages and disadvantages, market trends, overall design
- **Interoperability** (standards, Learning Tools Interoperability)
- **Learning Analytics** (educational data mining, Institutional analytics)
- **Competencies** (competency frameworks, Based Education, Outcomes, etc.)
- **Assessment** (online assessment, proctoring, security, LMS Item analysis tools)
- **Accessibility** (captioning, accessibility for all, assessment accommodations, APIP standards.
- **LMS Applications** (e,g, Kaltura, Echo 360)
- **Scaling and Scalability** (MOOCs, BOOCs, SPOCs, automating features)
- **ePortfolios (**artifact based assessment, commercial, open sources, etc.)
- **Open Educational Resources** (access, use, bundling, finding, curating)
- **Sectors** (K-12, community college, private, industry, etc.)
- **Research issues** (methods, DBR, exemplary work, journals, conferences)

All students will contextualize their learning around a personally relevant instructional context, and will produce some sort of artifact that is relevant to that context, such as a literature review, course design, or research proposal.

The course will be very interactive, with extensive peer and instructor interaction on weekly wikifolio assignments. All regular course interaction will be asynchronous, but an optional synchronous video meetings will be scheduled at a mutually agreed upon time at the beginning and end of the semester so that students can get to know their classmates at the beginning of the course and reflect and socialize at the end of the course. There will be no final exam.

Each of 14 weekly wikifolio assignment will be worth five points, and the final course project or paper will be worth 30 points, for a total of 100 points. Grades will be assigned on a

Grading