Faculty of Education

EDUC 5303G
Technology and the Curriculum
Course Outline for Winter (2013)

1. Course Details

<table>
<thead>
<tr>
<th>Term</th>
<th>Section</th>
<th>Status</th>
<th>Course Type</th>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter</td>
<td></td>
<td>Active</td>
<td>Online</td>
<td>Monday</td>
<td>6-9 pm</td>
</tr>
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<table>
<thead>
<tr>
<th>Location</th>
<th>CRN #</th>
<th>Classes Start</th>
<th>Classes End</th>
<th>Final Exam Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adobe Connect</td>
<td>71787</td>
<td>Jan 07, 2013</td>
<td>Apr 8, 2013</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Course Web Page:
http://faculty.uoit.ca/kay/courses/educ5303g/home_frame.html

Adobe Connect Meeting Room:
https://uoit.adobeconnect.com/_a767860974/educ5303g-201301-71787

Course Wiki:
http://techcurruoit.wikispaces.com

2. Important Dates

- For dates regarding add/drop and other key information, please see:
  http://gradstudies.uoit.ca/current_students/important-dates.php

3. Instructor Contact Information

<table>
<thead>
<tr>
<th>Instructor Name</th>
<th>Office</th>
<th>Phone</th>
<th>Email</th>
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</thead>
<tbody>
<tr>
<td>Dr. Robin Kay</td>
<td>EDUC 519</td>
<td>(ext. 2679)</td>
<td><a href="mailto:robin.kay@uoit.ca">robin.kay@uoit.ca</a></td>
</tr>
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Office Hours: Online via Skype (rkay59) by appointment
4. **Course Description**

This online seminar course examines the theoretical foundations and practical questions concerning the educational use of technology. Key areas of focus will include learning theory and the use of technology, analysis of the learner, curriculum, and technology tools, schools of the future, implementation, assessment, and barriers toward using technology. The overall focus of the course is on developing a critical, evidence-based, theoretically grounded perspective regarding the use of technology in the curriculum.

5. **Learning Outcomes**

On the successful completion of the course, students will be able to:
- articulate an informed perspective on the use of technology in education based on learning theory, research, a critical examination of technology resources, sound understanding of curriculum, and educational practice
- understand critical factors that influence today’s generation of students
- explore, analyze, and evaluate proposed “Schools of the Future”
- understand 21st century skills for students and teachers
- investigate, analyze, and evaluate current technological tools and how they might enhance or inhibit effective learning
- understand factors that enhance or inhibit the implementation of technology in education
- explore and evaluate the TPCK model for integrating technology in education
- examine and analyze how technology can influence assessment and influence the design of curriculum

6. **Course Design**

- Students will participate in a 2-3 hour online class once a week for 12 weeks.
- The course website will be used extensively as a guide for students in this course.
- Student will also contribute and help build the course wiki
- The majority of the classes will consist of a series of small group discussions and activities to illustrate theory and practice.
- Meetings with students will occur over the phone or using Skype

7. **Outline of Topics in the Course**

The following topics will be addressed, discussed, analyzed, and evaluated

- Introduction, course overview and what we know
- Learning Theory
- Analysis of the Learner
- Schools of the Future (Big Picture)
- Analysis of the Curriculum
Investigating Current Technology
Meaningful Technology Use in the Curriculum
Implementation of Technology in the Curriculum
Technology, Curriculum and Assessment
Barriers and Tensions When Using Technology in the Curriculum
Final Sharing of Projects

8. Required or Recommended Texts/Readings

Reading List
A set of readings and web-based resources will be provided on a lesson-by-lesson basis.

Useful Print References

Useful Web-Based Resources
- Bing Database of Videos on Teaching with Technology
- Learning Theories Knowledge Base
- NETS for Students (standards for learning effectively in a digital world)
- NETS for Teacher (standards for teaching effectively in a digital world)
- Route 21 – 21st Century Skills
- RSA Video – Changing Education Paradigms
- Shifting Minds - 21st Century Vision for Public Education in Canada
- Technology and Education Ning
- TED Talks on Education and Technology
- TPACK Model of Technology Integration

Additional readings may be assigned or recommended during the course.
9. **Evaluation Method**

Students will be assessed weekly based on in-class participation as well as contributions to the course wiki, personal wikis and team blogs. There will also be 2 hands-on assignments relying on the use of a variety of technology tools including online surveys, presentation and graphics tools, library databases, and video podcast software. All assignments will be submitted online. The goal of each assignment is to combine theory and practice to produce effective learning tools.

*Final course grades may be adjusted to conform to program or Faculty grade distribution profiles. Further information on grading can be found in Section 5 of the UOIT Academic Calendar.*

10. **Assignments and Tests**

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<tr>
<th>Participation Artifacts (40%)</th>
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<tbody>
<tr>
<td>• Create a personal project plan</td>
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<tr>
<td>• Develop a learning theory concept map</td>
</tr>
<tr>
<td>• Complete an Analysis of the Learners you teach</td>
</tr>
<tr>
<td>• Create a “School of the Future” Concept Map</td>
</tr>
<tr>
<td>• Complete a content analysis of the curriculum you teach</td>
</tr>
<tr>
<td>• Create video podcast on 21st Century Skills for Students and Teachers</td>
</tr>
<tr>
<td>• Present personal project</td>
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<table>
<thead>
<tr>
<th>Assignment 1 – Meaningful Technology Tool (20%)</th>
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<td>• Select a tool that you feel has potential to have a meaningful impact on education</td>
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<tr>
<td>• Discuss what learning theories support the use of this tool</td>
</tr>
<tr>
<td>• Create video on how to use the tool</td>
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<tr>
<td>• Create a video on how to learn/teach with this tool</td>
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<tr>
<th>Assignment 2 – Personal Project (40%)</th>
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<td>• Create a project that illustrates your understanding of:</td>
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<tr>
<td>o learning theories</td>
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<tr>
<td>o 21st century learners</td>
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<tr>
<td>o meaningful use of technology</td>
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<tr>
<td>o critical analysis of curriculum</td>
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<tr>
<td>o factors that influence implementation of technology in education</td>
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11. Accessibility

Students with disabilities may request to be considered for formal academic accommodation in accordance with the Ontario Human Rights Code. Students seeking accommodation must make their requests through the Centre for Students with Disabilities in a timely manner, and provide relevant and recent documentation to verify the effect of their disability and to allow the University to determine appropriate accommodations.

Accommodation decisions will be made in accordance with the Ontario Human Rights Code. Accommodations will be consistent with and supportive of the essential requirements of courses and programs, and provided in a way that respects the dignity of students with disabilities and encourages integration and equality of opportunity. Reasonable academic accommodation may require instructors to exercise creativity and flexibility in responding to the needs of students with disabilities while maintaining academic integrity.

12. Professional Conduct (if applicable)

Both synchronous and a-synchronous communication in this course will be held to the highest standards of professionalism, respect, and accountability.

13. Academic Integrity

Students and faculty at UOIT share an important responsibility to maintain the integrity of the teaching and learning relationship. This relationship is characterized by honesty, fairness and mutual respect for the aim and principles of the pursuit of education. Academic misconduct impedes the activities of the university community and is punishable by appropriate disciplinary action.

A single instance of plagiarism in this course will result in dismissal from the graduate program.

14. Course Evaluations

Student evaluation of teaching is a highly valued and helpful mechanism for monitoring the quality of UOIT’s programs and instructional effectiveness. To that end, course evaluations are administered by an external company in an online, anonymous process during the last few weeks of classes. Students are encouraged to participate actively in this process and will be notified of the dates via MyCampus.