



BRANDON UNIVERSITY

Faculty of Education

Course Outline

**BU 03:361-Using Information & Communication Technology (ICT) in Education
(PENT)**

Sept 14- Dec.14, 2022

Instructor: Dr. Glen Gatin

Mobile: 204.761.8753

Email: drglengatin@gmail.com

To book an appointment: <https://drgatin.youcanbook.me>

Class Time: Wed 5:00-8:00 pm

Classroom: Zoom Meeting Link <https://us02web.zoom.us/j/85864616412>

Course Description

The aim of this course is to develop the capacity of prospective teachers to effectively use Internet and Information and Communication Technologies (ICT) to support their own learning and in the classroom delivery of the Manitoba K-12 curriculum.

Essential Outcomes

Upon completion of this course participants will:

1. Define and describe concepts relating to the operation of computers and computer networks
2. Describe the digital fluency required to teach in today's classrooms
3. Develop a personal philosophy regarding the use of digital technology in education that integrates current theory and practice with personal experience.
4. Use knowledge of the philosophy, rationale, goals and content of the MB K-12 [Literacy with ICT](#) continuum to infuse ICT into the teaching of the [Manitoba curriculum](#).

5. Demonstrate professional responsibilities with regard to ICT use in education, including using technology to assist in assessment, evaluation, productivity and professional practice in a thoughtful, critical manner.
6. Describe use of the Internet in the classroom in support of internet & media literacy. (examples: Web 2.0 applications, search techniques, importance of online presence)
7. Discuss various issues associated with ICT and education. Including ethical and cultural issues, legal issues, online safety, cyber-bullying, social graph and privacy..
8. Demonstrate the use of ICT applications and practices, including: creativity and productivity applications, graphic organizers, multimedia software, mobile devices, autonomous agents, artificial intelligence and related platforms and services.
9. Use the Literacy with ICT Across the Curriculum Continuum to create well designed, effective digital presentations (examples: web site, wiki, e-portfolio, digital story, podcast, video, slide-show) that align with the Manitoba K-12 Curriculum.
10. Demonstrate the effective use of ICT to support personal academic and general learning.

Administrative Details:

1. **Contact hours:** this course will meet Wed evenings for 3 hours per class. The course time will include lectures, practice time, collaborative projects, and evaluation time. As the course progresses, group activities may be conducted by means of various online applications introduced throughout the course.
2. **Required Text:** No text is required for this course. All course materials will be available on the course web page. The BU Library has many books and periodicals relating to the use of computers, the Internet and technology in education.
3. **Required Materials:** A multimedia computer with Internet connection, web-cam, and a headset with mic and earphones. A tablet or phone are useful accessories but a full featured computer or laptop is essential for professional teachers. As the class will use remote video presentation exclusively a second monitor is highly recommended -- one to watch the presentation and one to work on activities.
4. **Entry level knowledge & skills:** basic word processing, file-management, web-browser and email skills.

5. **Learning Activities:** You are expected to attend all classes and complete all learning activities. If you have an important event that will not allow you to meet this expectation, arrange with the instructor beforehand. Zoom lectures will be recorded and available on the course website.
6. **Assignments:** All assignments must be completed and posted before the end date of the class

7. **Incomplete Courses**

Participants unable to complete the last assignment before the end date may request a grade of incomplete. Make arrangements with the instructor before the end of the term. Barring special circumstances, the time limit for an incomplete will be three weeks beyond the end of the term.

8. **Originality of Assignments**

It is OK to borrow ideas, methods, etc. from other students, books, or journals, but be sure to acknowledge the contributions of others. See Section 4.3.2 on Academic Integrity in the Brandon University Calendar.

Requirements:

1. Develop a professional online presence.
2. Establish a personal e-portfolio Post daily portfolio entries
3. Use online applications to collect, sort, and share resources
4. Use collaborative online concept mapping for lesson planning
5. Use web based collaborative applications
6. Create a podcast lesson using digital editing tools to
7. Create a customized Google Map to support a lesson
8. Create a self-teaching test with Google Forms
9. Create a narrated video presentation explaining your personal ICT pedagogy.
- 10.. Prepare to teach a class using a videoconferencing application

Each activity must develop content focusing on a topic of education, particularly, the Manitoba Curriculum. Participants must demonstrate that they can use ICT as sophisticated learners and as professional teachers. Activities will be [assessed by a rubric](#): basic, advanced, professional.

Assessment elements:

Daily portfolio 50%

Lesson Planning Concept Map 20%

Interactive Test 10%

Web based Presentation 20%

Grades will be converted to letter grade as below

A+ Outstanding 90-100

A Outstanding 85-89

A- Outstanding 80-83

B+ Good 77-79

B Good 74-76

B- Good 70-73

C+ Satisfactory 67-69

C Satisfactory 64-66

C- Satisfactory 60-63

D- Weak 50-59

F Inadequate 0-49

D- Weak 50-59

F Inadequate 0-49

