EDU 210AHF: Introduction to Educational Technology
3 credits, 3 hour lectures, 3 hours lab

This course examines frameworks, trends, issues, and futuristic scenarios as it relates to the role of technology in education. Students will gain hands-on experience using technology, with a special emphasis on strategies for integrating technology in the school curriculum.
Note: Students may not receive credit for both EDU 210 and EDIT 202.

Prerequisite: EDU 100

Instructor

Tracy Boger
Office: S213F
780 791-4833
tracy.boger@keyano.ca

Office Hours
Zoom meetings can be booked Thursday and Friday afternoons (an appointment is required)

Hours of Instruction

Lec(A): Monday   9:00 - 11:50 AM (Room S218)
Lab(X): Tuesday   9:00 - 11:50 AM (Lab CC282)
Lab(Y): Thursday   9:00 - 11:50 AM (Lab S107)

Required Resources

Transforming Learning with New Technologies, 3rd edition. By Maloy, Verock, Edwards, & Woolf

Additional Readings will be provided on iLearn.

Course Outcomes

Upon successful completion of this course, the student shall be able to:

- Articulate and select frameworks that guide the use of technology in education.
- Understand the role of digital technologies within the teaching profession.
- Explore and demonstrate the use of technologies that support teaching and learning.
- Reflect on the conventions and responsibilities of digital citizenship including privacy, intellectual property and copyright.
- Begin to develop a philosophy of teaching with technology.

Evaluation

Weekly Assignments, labs, lesson plans:	40%
Midterm	20%
Tech Presentation and Reflection	6%
TPACK Reflection	7%
Participation	2%
Final Exam	25%

A grade of C- is required for progression or transfer.

Late Penalty and Extensions

Assignments must be submitted by the due date. Assignments handed in late will be graded without additional comments and a late penalty will apply. Students will lose 5% the first day that an assignment is late, after day one an additional 10% per day will be deducted until day 5. After day 5 it will be REFUSED. Late assignments will have minimal feedback. If written feedback is important to you make sure you submit assignments on time. If you need an extension, you must ask at least two days in advance of the due date. Computer failure is rarely considered an acceptable reason for granting an extension, and a conflict of deadlines is never an acceptable reason.

Assignments

Assignments must be typed in 12-pt Times New Roman, double spaced, and submitted with proper APA documentation (also make sure margins correspond with APA formatting guidelines). Be sure to keep a copy of any work that you hand in. All assignments must be submitted to the appropriate drop box on Moodle. I do not accept assignments by email under any circumstances.

Grading System

Descriptor	Alpha Grade	4.0 Scale	Percent	Rubric for Letter Grades
	A+	4.0	> 92.9	Work shows in-depth and critical analysis, well developed ideas, creativity, excellent writing, clarity and proper format.
Excellent	A	4.0	85 – 92.9	
	A-	3.7	80 – 84.9	
	B+	3.3	77 – 79.9	Work is generally of high quality, well developed, well written, has clarity, and uses proper format.
Good	B	3.0	74 – 76.9	
	B-	2.7	70 – 73.9	
	C+	2.3	67 – 69.9	Work has some developed ideas but needs more attention to clarity, style and formatting.
Satisfactory	C	2.0	64 – 66.9	
Progression	C-	1.7	60 – 63.9	
Poor	D+	1.3	55 – 59.9	Work is completed in a general way with minimal support, or is poorly written or did not use proper format.
Minimum Pass	D	1.0	50 – 54.9	
Failure	F	0.0	< 50	Responses fail to demonstrate appropriate understanding or are fundamentally incomplete.

Proposed Schedule of Topics

Please Note:
Date and time allotted to each topic is subject to change.

Week	Lecture Topics
1	Ch1 and Ch11: 21st Century Teaching, Methods for Tech Teaching , Intro, PADLET Demo of QR codes
2	Ch2: Ed Technology Issues & Trends, Rogers Innovation Curve Barriers, ICT POS and ISTE (lecture)
3	Ch 4: Learning Theory, constructivism, Designing Lessons with Technology, Lesson planning, UbD, Core Standards, Curricular Frameworks
4	Ch7: Problem solving, computational thinking, Blooms Taxonomy, Inquiry Based Tools
5	Ch 3 and 5: Digital Citizenship, Copyright, Creative Commons, Info literacy, digital literacy
6	Ch9: Technology and Creativity, Multimedia, multimodal learning, PPT critique, Storyboard, Screen casting, podcasting, vodcasting
7	MIDTERM Tues Feb 14
8	Ch10: UDL and Assistive Technology
9	CH 10: Assistive Tech & Intro Robotics
10	Robotics & Emerging Tools- Horizon Report
11	Ch6: HyperDoc Into and Ch 6 topics: standards connector, webquest, virtual field trips, Gallery Walk
12	**Student Tech Presentations**
13	News and/or ED Tech Current Events (TBA)

Proposed Schedule with assignment and exam dates is attached at the end of this document

Course Policies and Procedures

Please avoid scheduling appointments during class time. Lab assignments and exams will not be excused or omitted due to missing class for personal appointments. This includes routine medical appointments, volunteer or work commitments, and college related appointments. However, if you have extenuating circumstances, contact your instructor.

Late assignments. Students will lose 5% the first day that an assignment is late, after day one an additional 10% per day will be deducted until day 5. After day 5 the assignment will no longer be accepted and students will receive a zero for the assignment. Late assignments will have minimal feedback so if written feedback is important to you make sure you submit assignments on time.

Midterm Exam. A missed exam may be written at an alternate time only under certain exceptional circumstances and *at the instructor's discretion*. The instructor should be contacted within 24 hours of the scheduled exam, and acceptable documentation (e.g. a doctor's note) must be provided.

Final Exam. The final exam schedule and policy is available on the Keyano College website. It is your responsibility to be familiar with final exam policy. Final exams must be written on the date scheduled by the College. If there are extenuating circumstances the procedure for "Deferred Final Examination" in the Credit Calendar is to be followed.

Electronic Devices Policy: Students should only engage in the use of personal laptop computers, tablets or iPads, and/or cellphones for course related purposes. The use of these devices for anything that is not course related is prohibited.

Make-up assignments and Extra Credit will NOT be given in this course. If you are unable to meet assignment deadlines contact your instructor 2 days prior to the due date. Requests for extensions after the due date will not be considered unless there are extenuating circumstances.

Performance Requirements and Student Services

Student Responsibilities
It is your responsibility as a student to contact the Office of the Registrar to complete the forms for Withdrawal or Change of Registration, and any other forms. Please refer to the list of important dates as noted in the Academic Schedule in the Keyano College credit calendar.

More specific details are found in the Student Rights and Student Code of Conduct section of the Keyano College credit calendar. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Student Code of Conduct Policies.

Student Attendance
Class attendance is useful for two reasons. First, class attendance maximizes a student's learning experience. Second, attending class is a good way to keep informed of matters relating to the administration of the course (e.g., the timing of assignments and exams). Ultimately, you are responsible for your own learning and performance in this course.

It is the responsibility of each student to be prepared for all classes. Students who miss classes are responsible for the material covered in those classes and for ensuring that they are prepared for the next class, including the completion of any assignments and / or notes that may be due (see item 4.d., above, in Course Policies and Procedures).

Academic Misconduct

Students are considered to be responsible adults and should adhere to principles of intellectual integrity. Intellectual dishonesty may take many forms, such as:

- Plagiarism: to present another person's ideas, writing, artistic work, drawings, images, data, etcetera, as one's own (zero tolerance for plagiarism)
- Presenting another person's substantial writing changes/edits to an assignment/essay on a handed-in assignment that you claim to have written (plagiarism)
- The use of unauthorized aids in assignments or examinations (cheating)
- Collusion or the unauthorized collaboration (working together) with others in preparing work and then handing in the assignment/essay as if it was your own (plagiarism)
- The deliberate misrepresentation of qualifications
- The willful distortion of results or data
- Substitution in an examination by another person
- Handing in the same unchanged work as submitted for another assignment or class (plagiarism)
- Breach of confidentiality
- Copying/cutting and pasting, paraphrasing, or summarizing another person's work (including information found on the Internet and unpublished materials) without proper referencing (plagiarism). Proper referencing must include providing proper citations (see MLA 8th Edition style guide/resources – available from the College Library or in the required texts/PDFs for the course) **Proper quoting, paraphrasing, and summarizing of another person's (source's) work along with providing an in-text citation and Works Cited page for your source(s) is a key part of avoiding plagiarism.**

The consequences for academic misconduct range from a verbal reprimand to receiving zero on the assignment/essay to expulsion from the College. More specific descriptions and details are found in the Student Rights and Student Code of Conduct section of the Keyano College credit calendar. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Student Code of Conduct Policies.
To ensure your understanding of the concept of plagiarism, read the course PDFs and check with your instructor, if you have any questions.

Specialized Supports

The Student Services Department is committed to Keyano students and their academic success. There are a variety of student supports available at Keyano. Due to the continuing situation with the Covid-19 pandemic, the offered support services will be implemented through a model to respond to the restrictions in force at the time. In-person and virtual services will be offered. All Alberta Health Services guidelines will be followed for in-person appointments—wear a mask, maintain two meters of physical distance, use hand sanitizer, and stay home if you are unwell.

All student services are available during Keyano business hours: Monday to Friday, 8h30-16h30. The College is closed for statutory holidays. If you require support outside of regular business hours, please inform the support service team, and we will do our best to accommodate your needs.

Accessibility Services: provides accommodations for students with disabilities. Students with documented disabilities, or who suspect a disability, can meet with a Learning Strategist to discuss their current learning barriers and possible accommodations. Students who have accessed accommodations in the past are encouraged to contact us to request them for the semester. Please note that requesting accommodations is a process and requires time to arrange. Contact us as soon as you know you may require accommodations. For accessibility supports and to book an appointment, please contact accessibility.services@keyano.ca.

Accessibility Services also provides individual and group learning strategy instruction for all students, as well as technology training and supports to enhance learning. Meet with a Learning Strategist to learn studying and test-taking strategies for online classes. Schedule an appointment with the Assistive Technology Specialist to explore technology tools for learning. Book an appointment today by emailing accessibility.services@keyano.ca

Wellness Services: offers a caring, inclusive, and respectful environment where students can access free group and individual support to meet academic and life challenges. Mental Health Coordinators offer a safe and confidential environment to seek help with personal concerns. Students may access services virtually and in-person.

Wellness Services welcomes students to participate in any of the group sessions offered throughout the academic year addressing topics including mindfulness and test anxiety.

Individual appointments can be made by emailing wellness.services@keyano.ca.

Library Services: provides students with research and information supports as they engage in their studies. Library staff are available to support you both online and in-person throughout the semester. For a detailed list of library supports and services, go to www.keyano.ca/library. For all inquiries, please email askthelibrary@keyano.ca or chat with us online.

Begin your research with the Library's FIND page. Search for information and sources for your assignments using the OneSearch, the Library's Catalogue, or by searching in a specific database selected from the A-Z Database List.

Individual support with us is available. For support with citations, research and other information needs, appointments can be booked using the online Book A Librarian Calendar. For support with Moodle, educational tools for assignments, Microsoft Office, Zoom, Teams and more, book an appointment using the online Educational Technology Support Calendar.

Research and subject guides are helpful resources when beginning your research, assignment, using new educational technology, or addressing other information needs. To view a subject or course-specific guide, check out the complete listing of online Subject Guides.

To access additional research resources, including Citation Guides (APA, MLA, Chicago, or IEEE), go to the Research Help Library page.

The Loanable Technology collection is available to support students in their learning pursuits, whether online, in person or both. Items available for borrowing include mobile projectors, webcams, noise-cancelling headphones, Chromebooks, and laptops. For an up-to-date list of technology available for borrowing as well as support available, go to the Library's Loanable Technology webpage.

Academic Success Centre: The Academic Success Centre is a learning space in the Clearwater Campus (CC-119) at Keyano College. Students can gather to share ideas, collaborate on projects, get new perspectives on learning from our Academic Content Specialists, or use the Centre's educational resources. The Academic Success Centre provides academic support services to students registered in credit programs at Keyano College in the form of individual tutoring, writing support groups, facilitated study groups, workshops, and study space. Services are **free** to Keyano students.

Academic Content Specialists are available in the areas of Math, Science, Human Services, and English/Humanities. This covers all courses offered at Keyano. The Academic Success Coach can also be found in the Academic Success Centre.

For the most up to date information on how to book a session, please view the Keyano Academic Success Centre homepage.

> **Academic Integrity:** The goal of the Academic Success Centre is to foster a student's ability to learn effectively and independently. Students registered at Keyano College are welcome to drop by the Centre to visit with any of our Academic Content Specialists to discuss their academic concerns.
>
> **Availability:** Monday to Friday: 8:30 a.m. – 4:30 p.m. Flexible times may be available upon request. Virtual and in-person sessions, please email to get in contact with our Academic Content Specialists. For the most up to date information on how to book a session, please view the Academic Success Centre homepage.

Academic Success Coach: offers you support and access to resources for your academic success to help you to find the Keys to your Success. The Academic Success Coach will work with you to develop an academic success plan, develop your study and time management skills, and connect you with the right resources here at Keyano. Academic.success@keyano.ca is the best way to access resources during blended service delivery. The Academic Success Coach is located in the Skill Centre in CC-119 at the Clearwater Campus.

E-Learning
Technology and internet will impact your online learning experience. It's important that you can watch an online video and other course materials, take online quizzes and participate in a live class with your instructor and other students. Live/virtual classes will be hosted in Microsoft Teams or Zoom.

For all course delivery types, you will access your course resources on Keyano's learning management system, **Moodle (iLearn).** Login in using your Keyano username and password.

Keyano College operates in a Windows based environment, and having the correct tools for online learning is important. Here's a list of recommended system requirements.

Internet Speed

Minimum Internet speeds of 10 Mbps.
Recommended Internet speeds of 25 Mbps (especially if you are sharing your internet at home).
Check your internet speed with Fast.com.

Computer Software
Students will be able to get access to Microsoft Office 365 for free using Keyano credentials by clicking here.

Recording of Lectures and Intellectual Property
Students may only record a lecture if explicit permission is provided by the instructor or by Accessibility Services. Even if students have permission to record a lecture or lecture materials, students may not share, distribute, or publish any of the lectures or course materials, this includes any recordings, slides, instructor notes, etc. on any platform. Thus, no student is allowed to share, distribute, publish or sell course related content (instructor, or students) without permission. It is important to recognize that the Canadian Copyright Act contains provisions for intellectual property. The Academic Integrity Policy provides additional information on Keyano College's expectations from students as members of the intellectual community.

ITS Helpdesk
If you are having issues with your student account, you can contact the ITS Helpdesk by emailing its.helpdesk@keyano.ca or calling 780-791-4965.

System requirements:

Microsoft Windows	Apple
Minimum Requirements: A Windows 10 **computer/laptop** · Minimum 4GB of RAM. · 10GB+ available hard drive storage. · Enough available hard drive space to install the Microsoft Office suite (approximately 3GB). <u>Microsoft Office</u> software is free to all Keyano students and employees. · Microphone, webcam and speakers. A headset with a microphone is recommended. · System updates must be regularly installed. · Anti-Virus / Anti-Malware software	**Minimum Requirements:** A Macintosh (V10.14 and above) **computer/laptop** · Minimum 4GB of RAM. · 10GB+ available hard drive storage. · Enough available hard drive space to install the Microsoft Office suite (approximately 3GB). <u>Microsoft Office</u> software is free to all Keyano students and employees. · Microphone, webcam and speakers. A headset with a microphone is recommended. · System updates must be regularly installed. · Anti-Virus / Anti-Malware software.
Recommended Requirements · 8GB of RAM · A method of backing up/synchronizing to local or cloud-based storage such as OneDrive is highly recommended. This is included if you complete the setup of KeyanoMail and download MS Office using your Keyano email for free.	**Recommended Requirements** · 8GB of RAM · A method of backing up/synchronizing to local or cloud-based storage such as OneDrive is highly recommended. This is included if you complete the setup of KeyanoMail and download MS Office using your Keyano email for free.
Chromebooks are **not** recommended as they are not compatible with testing lockdown browsers. A Microsoft Surface or iPad or iPad Pro may be possible alternatives in some program areas.	

See next page for the Course schedule with assignment and exam dates

EDU 210 Proposed Schedule and Assignment Due Dates
(Date and time allotted to each topic is subject to change)

Week	Lecture Topics	Lab Topics & Assignment Due Dates
1 Ch 1 Ch 11	21st Century Teaching, Methods for Tech Teaching , Intro, PADLET Demo of QR codes	**Jan 4/6** Create Google accounts Create EDUBlog accounts
2 Ch 2	Ed Technology Issues & Trends, Rogers Innovation Curve Barriers, ICT POS and ISTE (lecture) *Google SHEET demo*	**Jan 11/13** TPACK assignment Intro **(Due April 8)** TPACK Ch1, 16-17
3 Ch 4	Learning Theory, constructivism, Designing Lessons with Technology, Lesson planning, UbD, Core Standards, Curricular Frameworks	**Jan 18/20** -Introduce Gizmos (Due Monday Feb 7)
4 CH 7	Problem solving, computational thinking, Blooms Taxonomy, Inquiry Based Tools	**Jan 25/27** Gizmo Simulations **(Due Monday Feb 7)**
5 Ch 3 & 5	Digital Citizenship , Expressing creativity Copyright, Creative Commons, Info literacy, digital literacy	**Feb 1/3** Glog Part 1 (Due Friday Feb 17)
6 CH 9	Technology and Creativity, Multimedia, multimodal learning PPT critique, Storyboard, Screen casting, podcasting, vodcasting	**Feb 8/10** Glog Part 2 **(Due Friday Feb 17)**
7 CH 3 & 5	**MIDTERM Tues Feb 14 (all class)**	**Feb 15/17** Animoto Part 1 (Due Monday March 28)
	No classes Feb 21-25 Reading week and Family day Note: College is open Feb 22-25 but there are no classes	
8 CH 10	UDL and Assistive Technology **Student Tech Presentations**	**March 1/3** Animoto Part 2 **(Due Monday February 28)**
9 CH 10	Assistive Tech continued Robotics **Student Tech Presentations**	**March 8/10** Robotics challenge 1 and 3 *(Due at end of class, can only complete in class)*
10	Robotics Emerging Tools- Horizon Report **Student Tech Presentations**	**March 15/17** Robotics curricular links **(Due Monday March 28)**
11 CH6	HyperDoc Into and Ch 6 topics: standards connector, webquest, virtual field trips, Gallery Walk **Student Tech Presentations**	**March 22/24** HyperDoc Assignment Part 1
12	**Student Tech Presentations**	**March 29/ March 31** **Hyper Doc part 2 (Due April 5/7)**
13	News and/or Current Events in Ed Tech (TBA)	**April 5/7** **Hyper Doc Assignment part 3** **Present your hyper Doc Lesson during Lab (Due April 5/7)**
14	Review	**April 12/14** Course final Reflection Essay Assess how your TPACK Change during this course. Development time

Save the date: Final Exam Period April 19 – April 27