

EDU 210-ABLD: 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
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Office Hours

By Appointment. Possible meeting times:

- Wednesday 8:00- 10:00
- Thursday 8:00- 10:00

Hours of Instruction

Lec(A): Wednesday/Friday 1:00 - 2:20 p.m. in S212
Lab(x): Tuesday 9:00 - 11:50 p.m. in S107

Required Resources

The following Open Source Textbooks are available online for free:

- **The K-12 Educational Technology Handbook**, Anne Ottenbreit-Leftwich & Royce Kimmons (ISTE)
<https://edtechbooks.org/k12handbook>
- **Teaching in a Digital Age, 3rd Edition**, A.W. (Tony) Bates (UBC)
<https://pressbooks.bccampus.ca/teachinginadigitalagev3m/>

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

Component	Weight
Labs <ul style="list-style-type: none"> • <i>lab 1 -Google tools intro (2)</i> • <i>lab 2 - Google sheet (3)</i> • <i>lab 3- Gizmo- 3 parts (9)</i> • <i>Lab 4- Robotics-includes quiz, curricular links (7)</i> • <i>Lab 5- Hyperdoc (9)</i> 	30%
Midterm	20%
Tech Presentation	6%
Online Tasks	4%
Final Exam	40%

Grading System

Descriptor	Alpha Grade	4.0 Scale	Percent
Excellent	A+	4.0	> 92.9
	A	4.0	85 – 92.9
	A-	3.7	80 – 84.9
Good	B+	3.3	77 – 79.9
	B	3.0	74 – 76.9
	B-	2.7	70 – 73.9
Satisfactory	C+	2.3	67 – 69.9
	C	2.0	64 – 66.9
	Progression	C-	1.7
Poor	D+	1.3	55 – 59.9
Minimum Pass	D	1.0	50 – 54.9
Failure	F	0.0	< 50

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

Proposed Schedule

Class schedule, topics, and readings are available in Moodle.

Please Note:

The date and time allotted to each topic are subject to change.

Week	Topics	Lab
1	Course Introduction	
2	Modes of delivery, effectiveness, ICT POS and ISTE	Chrome Extension (Use Google Docs) Class yearbook (Use Slides)
3	Learning Theories, TPACK, PICRAT, SAMR, , Lesson planning, UbD, Core Standards, Curricular Frameworks,	Google Sheet Gradebook
4	Problem solving, computational thinking, Blooms Taxonomy, Inquiry Based Tools_	Gizmos part 1: Gizmo Intro
5	Lesson planning, Tech integration ideas, podcasts	Gizmo part 2: Pedagogical Analysis
6	Digital Citizenship 9 elements, copyright	Gizmo part 3: Practical Application
7	DC Voice thread & MIDTERM Feb 16	Build robots
9	AI Guest Speaker, robotics	Robotic Lab part 1
10	Artificial intelligence (AI), Augmented Reality (AR), Virtual Reality (VR), Mixed Reality (MR), robotics, computational thinking, coding, PBL, STEAM,	Robotic Lab part 2
11	ATL, UDL, Digital Equity, Digital divide	HyperDoc Intro
12	Student Presentations	WeVideo Introduction
13	Student Presentations	Hyper Doc development time
14	Student Presentations	Lab: Hyperdoc Gallery walk part 1
15	Review Class	Lab: Hyper Doc Gallery walk part 2

Reading list and Course Schedule link:

https://docs.google.com/document/d/1hMxrspectYF_6akk_6OFuVScMkhoE65J/edit

Performance Requirements and Student Services

Course Procedures and Expectations

Please avoid scheduling appointments during class time. Quizzes 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.

ABLD Blended Learning Course. This course will include a combination of face-to-face lectures and asynchronous and synchronous online learning tasks. The dates of the online learning tasks are posted in

the course schedule which is available in Moodle. Students are expected to attend and participate in all classes. Many online tasks will be graded.

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. Smart devices that have access to the internet are prohibited for all exams.

Late assignments. Students will lose 10% the first day that an assignment is late, after day one an additional 10% per day will be deducted until day 3. **On the 4th day of being late students will receive a zero for the assignment.** Late assignments will have minimal feedback so if written feedback is important to you make sure that you submit assignments on time.

Late Pass. For students who earn a late pass the guidelines are as follows. A late pass permits students to hand in an assignment 3 days late without penalty (weekends and holidays count). If a student wishes to use a late pass the student must request the late pass in writing (email) 48 hours before the assignment's due date. The late pass cannot be applied to the hyperdoc assignment, gallerywalk or presentation. Only one late pass can be used in the course.

Exams & Quizzes. 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 or quiz, and acceptable documentation must be provided. Athletes who know they are will be away for game must contact the instructor BEFORE the date of the exam if they wish to write at an alternate time. Failing to do so may result in a zero or other penalty (such as a 10% deduction) on the exam/quiz.

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.

Make-up assignments and Extra Credit will NOT be given in this course. If you are unable to meet assignment deadlines contact your instructor 24 hours prior to the due date. Requests for extensions after the due date will not be considered unless there are extenuating circumstances.

Additional Moodle Support. If you need assistance with moodle or preparing files to be uploaded to moodle contact the college's educational support technologist:

Kelly Keus, Educational Support Technologist:

- Office: CC168B (In the Library)
- Phone: 780.791.8910
- Email: kelly.keus@keyano.ca

You can book a help session online for in-person or online assistance via the link (select Educational Technology Support): <https://keyano.libcal.com/appointments/Library>

Student Responsibilities

As a student, it is your responsibility to contact the Office of the Registrar to complete the required forms, including the Withdraw Course or Program or a Change of Registration form. Please refer to the important dates listed in the Academic Schedule in the [Keyano College credit calendar](#). The Keyano College credit calendar also has information about Student Rights and the Code of Conduct. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and the Code of Conduct Policies.

Student Attendance

Class attendance is helpful for two reasons: First, class attendance maximizes a student's learning experience. Second, attending class is an excellent way to keep informed of matters relating to the course administration (e.g., the timing of assignments and exams). Ultimately, you are responsible for your learning and performance in this course. It is the responsibility of each student to be prepared for all classes. Absent students are responsible for the material covered in those classes, and students must ensure they are ready for their next class, including completing any missed assignments and notes.

Academic Misconduct

Students are considered responsible adults and should adhere to the principles of intellectual integrity. Intellectual dishonesty takes many forms:

- Plagiarism or the submission of another person's work as their own,
- The use of unauthorized aids in assignments or examinations (cheating),
- Collusion or the unauthorized collaboration with others in preparing work,
- The deliberate misrepresentation of qualifications,
- The willful distortion of results or data,
- Substitution in an examination by another person,
- Submitting unchanged work for another assignment, and
- Breach of confidentiality.

The consequences for academic misconduct range from a verbal reprimand to expulsion from the College. More specific descriptions and details are found in the Student Rights and 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 Code of Conduct Policies. To ensure your understanding of plagiarism, you may be required to complete the online [Understanding Plagiarism tutorial](#) and submit the certificate of completion.

Online Learning

Technology and internet connectivity will impact your online learning experience. You may be required to watch online videos, take online quizzes, or participate in live online classes. Live/virtual courses 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 access to the correct tools for online learning is essential.

Internet Speed

Minimum download and upload speeds of 10 Mbps. Recommended download speeds of 25 Mbps and upload speeds of 10 Mbps (if you are sharing your internet at home). You can check your internet speed with [Speedtest by Ookla](#).

Computer System Requirements

Keyano College software are Windows based.

Minimum Requirements and Recommended Upgrades for Windows (preferred system) and Apple devices

These minimum standards are required for a Windows computer/laptop (OS 10 or 11) and a Macintosh (OS 10.14 or above).

1. Windows 10 Operating System or above
2. 4GB of RAM. Recommended upgrade to 8GB of RAM.
3. 10GB+ available hard drive storage space. Note installing Microsoft Office 365 requires 3GB of available hard drive space.
 - a. Install the Microsoft Office 365 suite (~3GB) *
4. Microphone, webcam, and speakers (All modern laptops have these three accessories built-in. However, a headset or earbuds with a microphone is also recommended.
5. Windows has built-in anti-virus/malware software. It is essential to install system updates to keep your device secured regularly.

*[Microsoft Office 365](#) is free to Keyano students.

Tablets, iPads, and Chromebooks are **not** recommended: they may not be compatible with the testing lockdown browsers and Microsoft Office 365.

Computer Software

Students have access to Microsoft Office 365 and Read & Write for free using Keyano credentials.

See [Recommended Technology](#) for more information.

Recording of Lectures and Intellectual Property

Students may only record a lecture if explicit permission is provided by the instructor or 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 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 have issues with your student account, you can contact the ITS Helpdesk by emailing its.helpdesk@keyano.ca or calling 780-791-4965.

Specialized Supports

The Student Services Department is committed to Keyano students and their academic success. There is a variety of student support available at Keyano. All student services are available during Keyano business hours: Monday to Friday, 8:30 a.m. to 4:30 p.m. The College is closed on statutory holidays. If you require support outside of regular business hours, please inform the support service team, and they will do their best to accommodate your needs.

Accessibility Services provides accommodations for students living with disabilities. Students with documented disabilities or who suspect a disability can meet with an Access Strategist to discuss their current learning barriers and possible accommodations. Students who have accessed accommodations in the past are encouraged to contact the department to request accommodations for the following semester. Please note that requesting accommodations is a process and requires time to arrange. Contact the department as soon as you know you may require accommodations. For accessibility supports and disability-based funding, please book an appointment by emailing us at: 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 provide a

safe and confidential environment for you to seek help with personal concerns. Our Wellness Navigator offers support with basic needs such as housing, financial and nutritional support, and outside referrals when needed. Wellness Services welcomes students to participate in group sessions that address topics including mindfulness and test anxiety throughout the academic year. Individual appointments can be made by emailing wellness.services@keyano.ca.

Library Services provides students with research, information, and educational technology supports as they engage in their studies. Library staff are available to help you online and in person throughout the semester. Librarians offer individual and small group consultations booked using the online [Book A Librarian calendar](#). The library also provides virtual research and subject guides to help you with your studies. Find the guide that supports your course-related research by viewing the complete list of online [Subject Guides](#). To start your research and access citation guides (APA, MLA, Chicago, or IEEE), visit the [Research Help page](#). The library's collections (including print and online materials) are searchable using [OneSearch](#). The library offers a Loanable Technology collection to support students accessing and using technology. For an up-to-date list of technology available for borrowing, visit the library's [Loanable Technology webpage](#). For a detailed list of library resources and services, go to www.keyano.ca/library. For all inquiries, please email askthelibrary@keyano.ca or [chat with us online](#).

Educational Support Technologist. If you need assistance with moodle or preparing files to be uploaded to Moodle contact the college's educational support technologist Kelly Keuss,(Email: kelly.keus@keyano.ca). You can book a help session online for in-person or online assistance via the link (select Educational Technology Support): <https://keyano.libcal.com/appointments/Library>

The **Academic Success Centre** at Keyano College (CC-119) provides **free** academic support services to registered students, such as tutoring, writing support, facilitated study groups, workshops, and study space. Academic Content Specialists are available in Mathematics, Science, Trades, Power Engineering, Upgrading/College Prep, Human Services, English, Humanities, and more. Students are encouraged to visit the Academic Success Centre to discuss study strategies and academic concerns. For additional information, please email Academic.Success@keyano.ca.

The **Academic Success Coach** is located in the Academic Success Centre and works with students to develop academic success plans, time management skills, study strategies, and homework plans. For additional information, please email Academic.Success@keyano.ca.