

Course Number	Course Title	Semester	Year
EID100	Digital Skills: Int'l Innovation	Fall	2020
<i>Only Ryerson emails are to be used for communication between faculty, staff, and students. All news (announcements) posted on class D2L.</i>			

Sections	Day of Week	Time	Classroom
011	Tuesdays	12 PM - 3 PM	Google Meet (links TBA)
021	Tuesdays	3 PM - 6 PM	Google Meet (links TBA)
Professor	Ryerson Email	Phone	Office & Office Hours
Derek Schraner	dschraner@ryerson.ca	n/a	online, during class times

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Course Description

This course will introduce students to an extensive set of digital tools in order to develop a working knowledge of digital technologies, and learn techniques for assessing various forms of knowledge media intended for a wide variety of disciplines. Students will be expected to explore and understand the appropriate use of digital technologies, critically review the role of technology and media in society, and to demonstrate understanding of how digital media can be integrated into their own projects.

Program Information: This course counts towards the Minor in Entrepreneurship and Innovation.

For more information see: https://www.ryerson.ca/calendar/2020-2021/minors/entrepreneurship_minor/

Course Details

Teaching Methods

This course will be conducted online, in weekly sessions, each including readings, lecture materials, and exercises. This learning environment will be “flipped”, with asynchronous access to materials weekly on Brightspace. Teaching methods include readings, lectures, slides, quizzes, group discussion posts, and “live” check-ins during regular scheduled class time.

Plagiarism Detection

Work requirements are described in course materials. Please note that, even when an instructor has not indicated that a plagiarism detection service will be used, or when a student has opted out of the plagiarism detection service, if the instructor has reason to suspect that an individual piece of work has been plagiarized, the instructor is permitted to submit that work in a non-identifying way to any plagiarism detection service.

Required Readings, Resources & Materials

Course Materials

The University has issued a minimum technology requirement for remote learning. Details can be found at: <https://www.ryerson.ca/covid-19/students/minimum-technology-requirements-remote-learning/>

Students will need a device (i.e. computer) capable of accessing Brightspace to: send and receive email, access required readings, create and respond to discussion posts, and complete testing. Check its Brightspace compliance here: <https://courses.ryerson.ca/d2l/systemCheck>

Online tutorial service LinkedIn Learning (formerly Lynda) is available free of charge to Ryerson students. Visit for additional assistance with subject matter, any applicable apps, concepts, etc. Visit <https://www.ryerson.ca/linkedinlearning/> for details.

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Required Readings





- Palfrey, John, and Urs Gasser. *Interop: The promise and perils of highly interconnected systems*. Basic Books (AZ), 2012
 - Available (free) via Ryerson University Library & Archives (RULA)
 - <https://library.ryerson.ca> or <http://tinyurl.com/y5h5onp2>

Optional / Offline Resources

- ❑ Ryerson Student Card (to borrow equipment, as possible/necessary):
 - Andy Kuflik FCAD Equipment Distribution Centre (RCC166): <https://www.ryerson.ca/rta/facilitiesequipment/facilities-edc/>
 - RULA's Laptop Loan Program (main circulation desk): <https://library.ryerson.ca/services/technology/laptops/>





Weekly Schedule (Subject to change)

WEEK ONE begins Tuesday, September 08, 2020		
	TOPICS	“Analyze” Introduction, Overview, and Conclusion
	DISCUSSION	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Introduction & Conclusion
	SCREENING	Urs Gasser and John Palfrey on Interop https://youtu.be/jnNjemROFgs




WEEK TWO begins Tuesday, September 15, 2020		
	TOPICS	“Access” Skills and Systems, Archetypes and Institutions, Open Source Solutions
	DISCUSS	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Chapter 1
	DUE	Post 1: Due before start of class: D2L Brightspace Discussion Post (weekly topic)

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WEEK THREE begins Tuesday, September 22, 2020

	TOPICS	“Collaborate” Change Management and Other Soft Skills
	DISCUSS	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Chapter 2
	DUE	Post 2: Due before start of class: D2L Brightspace Discussion Post (weekly topic)

WEEK FOUR begins Tuesday, September 29, 2020

	TOPICS	Part I (review Chapters 1-2)
	READINGS	Part I (review Chapters 1-2)
	DUE	During class: Test 1





WEEK FIVE begins Tuesday, October 06, 2020

	TOPICS	“Program” Logic and Other Operations
	DISCUSS	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Chapters 7-8
	DUE	Post 3: Due before start of class: D2L Brightspace Discussion Post (weekly topic)





Study Week – NO classes
Saturday, October 10, 2020 to Friday, October 16, 2020

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WEEK SIX begins Tuesday, October 20, 2020

	TOPICS	“Publicize” A History of Hardware and Software
	DISCUSS	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Chapters 4-5
	DUE	Post 4: Due before start of class: D2L Brightspace Discussion Post (weekly topic)

WEEK SEVEN begins Tuesday, October 27, 2020





	TOPICS	“Create” The ‘net, Prosumers, and the Web 2.0
	DISCUSS	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Chapters 3 & 6
	DUE	Post 5: Due before start of class: D2L Brightspace Discussion Post (weekly topic)

WEEK EIGHT begins Tuesday, November 03, 2020





	TOPICS	Part II (review Chapters 3-8)
	READINGS	Part II (review Chapters 3-8)
	DUE	During class: Test 2

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WEEK NINE begins Tuesday, November 10, 2020

	TOPICS	“Use” Data Analysis and Other Random Tasks
	DISCUSS	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Chapters 9-10,11
	DUE	Post 6: Due before start of class: D2L Brightspace Discussion Post (weekly topic)

WEEK TEN begins Tuesday, November 17, 2020




	TOPICS	“Secure” Coding, Markup, and DIY Tools
	DISCUSS	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Chapter 12
	DUE	Post 7: Due before start of class: D2L Brightspace Discussion Post (weekly topic)

WEEK ELEVEN begins Tuesday, November 24, 2020

	TOPICS	“Innovate” Design/UX and Accessibility/AODA
	DISCUSS	Live “office hours” at scheduled class time. Brief, optional weekly check-in for class management.
	READINGS	Before class: Read Chapters 11,13
	DUE	Post 8: Due before start of class: D2L Brightspace Discussion Post (weekly topic)

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WEEK TWELVE begins Tuesday, December 01, 2020

	TOPICS	Part III (review Chapters 9-13)
	READINGS	Part III (review Chapters 9-13)
	DUE	During class: Test 3

NO Final Exam / Essay
CLASSES END Monday, December 07, 2020

Assignments, Evaluation, Marking

Grades will be posted using the Grades feature in D2L Brightspace. While the turnaround time between submitting an item for evaluation and receiving its mark is not guaranteed, an effort will be made to do so within two weeks' time. Feedback to date is available upon request by contacting the evaluator at any point throughout the term. Final (weighted) marks for Brightspace Completion and Discussion Posts are generally shared at the end of term.

Assignment	Brief Description	Due Date Start of class unless noted	% of Final Grade
Ongoing	Progress/Completion of available Brightspace materials	Weekly	10%
Ongoing	Discussion Posts 1-8, various topics, posted in Brightspace forums	as per Weekly Schedule	35%
Test 1	as per Required Readings , Part I	Week 4, online, during class time	20%
Test 2	as per Required Readings , Part II	Week 8, online, during class time	20%
Test 3	as per Required Readings , Part III	Week 12, online, during class time	15%

Description of Assignments

Please note that additional details/information on assignments may be posted on the D2L Brightspace course shell. Different sections may assign students for team projects in different ways. Professors reserve the right to (re)assign students to balance numbers and skills.

(10%) Brightspace Progress/Completion

This assessment serves in a capacity similar to traditional attendance and participation, and is expected to be updated weekly. Learning materials will be posted to Brightspace, and their regular, punctual consumption is expected. Students with registered accommodations or an academic consideration may contact the instructor ahead of time, or at their earliest opportunity, regarding any variance, and will be required to present the appropriate school administrator with any stipulated documentation.

(35%) Discussion Posts

You are expected to create and maintain ongoing dialogues online via Brightspace discussion forum posts. Each student may start a new discussion thread, or respond to an existing one, but you must do either activity once per week, prior to our subsequent class. All eight posts must be original, each at least 100 words long (excluding quotations, which must be cited) and will be marked out of three, for a maximum possible total of 24, later converted to an overall weighted value of 35. Please note posts are not necessarily rewarded for excessive length. Topics may include subjects raised in-class or from our readings; please see forum descriptions for the most up-to-date details. You may share links to appropriate pages, media, etc. However, prior/existing materials, even your own, may not be reused for these posts. Any such reuse of material may result in a penalty including, but not necessarily limited to, a mark of zero on the assignment. Please see below for more on plagiarism. Work must be submitted prior to class; submissions which are late and/or not submitted via appropriate Brightspace discussion forums will not be accepted/graded.

(20%) Test 1 (Week 4), (20%) Test 2 (Week 8), and (15%) Test 3 (Week 12)

Tests happen every fourth week, to avoid overwhelming students taking multiple classes, particularly at the midterm. Tests are weighted to distribute evaluations across the term, rather than building into a single “make it or break it” event. Tests are conducted in-class using an online mechanism; you will be expected to bring a laptop or other Brightspace-capable device. If you do not have access to such a device, you may sign one out from Ryerson with your student card. Early tests may include true/false or multiple choice questions. Later ones include fill-in-the-blanks, then “written” answers. All tests are “open book” but students may not communicate with each other.

Handing in Papers

Late Policy

Other Relevant Information

- Academic Consideration (e.g., extended assignment deadlines, make-up assessments) may be requested on the basis of Extenuating Circumstances (such as health or compassion), and must be supported by a properly completed documentation such as a Ryerson University PDF file Student Health Certificate.
 - Note: Part of the Ryerson University Student Health Certificate must be completed by a Regulated Health Professional (RHP).
 - The instructor and/or the Teaching Department reserve the right to verify the authenticity of any health certificates submitted.
 - Requests for Academic Consideration must be submitted to the teaching department for verification via the on-line ACR system within 72 hours of the missed deadline.
 - www.ryerson.ca/senate/course-outline-policies/academic-consideration-health-policy-134-152
- Religious or cultural observations accommodations must be requested by the end of the second week of the term. <https://www.ryerson.ca/humanrights/religious-cultural-observances/>
- We expect that all communications by e-mail and in person between students, their colleagues, and instructors will be civil and professional as per Senate Policy #61.
- Grades are posted on the D2L. Not all materials submitted for marking will be returned, so make extra copies for your records.
- Assignments submitted late, without extension, will result in a penalty of (5% deducted per day, 10% for a weekend). Do not wait until the last moment to submit your paper. Allow for technical glitches. Missed presentations without permission will result in a 0;
- Check with your individual professor to see if they require hard copies or not of the assignments.
- Students are **required** to retain a copy of all work undertaken as well as all rough materials, references, sources, and notes until the marked original has been returned.
- The professors reserve the right to modify the syllabus and assignments as required over the course of the term, but any changes to the course assignments, due dates, and/or grading scheme will be discussed with the class prior to being implemented.
- On occasion guest speakers may attend our class. Students should refrain from contacting these guests after the class, unless invited to do so.
- The unauthorized use of intellectual property of others, including your professors', for distribution, sale, or profit is expressly prohibited, in accordance with Policy 60 (Sections 2.8, 2.10). Intellectual property in this context includes, but is not limited to: slides, lecture notes, presentation materials used in and out of class, lab manuals, course packs, and exams.

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- **Students are expected to show respect for their fellow students:**
 - Arrive on time (**before** 10 minutes after the hour). Be ready to start.
 - Do not indulge in side conversations in class. Disruptive students will be asked to leave. We reserve the right to adjust a student's overall mark if they interfere with their colleagues' learning.
 - **NO** eating in class. Coffee or water are fine.

Technology Statement

At the discretion of the instructor, computers, tablets, and other electronic devices are allowed in class to take notes, annotate lecture slides, and do quick internet searches of relevant materials only. All devices should be on silent/mute. Computers and tablets should not be used to email or message during class. Phones are not to be used, including for texting and messaging. Students on Facebook or Youtube, watching the hockey game or texting distract not only themselves but also their colleagues. Any student who gratuitously "multitasks" will not be allowed to use electronic devices in the classroom.

No electronic recording of any segment of lectures / sessions without the express prior agreement of the instructor.

It is expected that assistive technologies as detailed in Ryerson Senate Policy 159 (Academic Accommodation of Students) are to be used in keeping with this technology statement.

This course is conducted in accordance with all relevant University academic policies and procedures and students are expected to familiarize themselves with them and adhere to them. Students should refer online to for specific information with respect to the following policies:

- [Policy #60](#): Academic Integrity
- [Policy #61](#): Student Code of Non-Academic Conduct
- [Policy #134](#): Academic Consideration and Appeals
- [Policy #135](#): Final Examinations
- [Policy #157](#): Ryerson's E-mail Accounts for Official Communication
- [Policy #159](#): Academic Accommodation of Students with Disabilities
- [Policy #166](#): Course Management

Important Resources Available at Ryerson

- [The Library](#) provides research workshops and individual assistance. If the University is open, there is a Research Help desk on the second floor of the library, or go to [Workshops](#).
- [Student Learning Support](#) offers group-based and individual help with writing, math, study skills, and transition support, as well as [resources and checklists to support students as online learners](#).
- [Ryerson COVID-19 Information and Updates for Students](#) summarizes the variety of resources available to students during the pandemic.
- Familiarize yourself with the tools you will need to use for remote learning. The [Continuity of Learning Guide](#) for students includes guides to completing quizzes or exams in D2L or Respondus, using D2L Brightspace, joining online meetings or lectures, and collaborating with the Google Suite.

Course Objectives

Introduction (I) Reinforcement (R) Proficiency (P)	By the end of this course, students will be able to:	And in doing so will fulfil the following program learning outcome (at least in part):
I R	Resolve or work around unexpected issues resourcefully, as appropriate ^{[2R; 6R; 7(d)R];}	Demonstrate an entrepreneurial capacity
	Create compelling plans proposing individual or industry digital solutions ^{[2(b); 4R];}	LO 2a - engage in independent learning
		LO 2b - transform creative ideas into commercial products and services through the application of business and management concepts and practices applicable to media and cultural production.
I R	Interact with others to suggest and critique tools, resources, and solutions ^{[3(a)] 6R];}	Facilitate the work of artists, writers, designers and media makers by
		LO 3a - apply an integrated knowledge of creative and production processes (both individual and system-base to facilitate the work of artists, writers, designers and media makers
	Identify various online/offline digital tools, how they may be used and related ^{[3(c)];}	LO 3b - develop strategies to access funding and investments; to facilitate the work of artists, writers, designers and media makers,
	Analyze informational resources to assess ICT integration in disciplines of interest ^{[3(c)];}	LO 3c - recognizing and responding to future challenges and opportunities in their sectors including technological change to facilitate the work of artists, writers, designers and media makers,.
I R	Create compelling plans proposing individual or industry digital solutions ^{[2(b); 4R];}	Communicate
		LO 4a - verbally communicate within and to creative enterprises, academia and industry effectively and persuasively
		LO 4b - in written form, communicate within and to creative enterprises, academia and industry effectively and persuasively
LO 4c - communicate by preparing and conducting presentations using a range of appropriate media, within and to creative enterprises, academia, and industry effectively and persuasively		

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R	<p>Interact with others to suggest and critique tools, resources, and solutions ^[3(a)]_{6R};</p> <p>Identify various online/offline digital tools, how they may be used and related ^[3(c)];</p> <p>Analyze informational resources to assess ICT integration in disciplines of interest ^[3(c)];</p>	<p>Conduct research relevant to cultural and industry issues,</p>
		<p>LO 5a - formulate appropriate research questions and conceptual frameworks; employing appropriate data collection techniques</p>
		<p>LO 5b - apply appropriate quantitative tools and methodologies and/or</p>
		<p>LO 5c - apply appropriate qualitative tools and methodologies</p>
I R	<p>Interact with others to suggest and critique tools, resources, and solutions ^[3(a)]_{6R};</p> <p>Resolve or work around unexpected issues resourcefully, as appropriate ^[2R; 6R; 7(d)R];</p>	<p>Implement and manage projects</p>
		<p>LO 6a - problem-solving - implement and manage projects requiring</p>
		<p>LO 6b - team building - implement and manage projects requiring</p>
		<p>LO 6c - negotiation - implement and manage projects requiring</p>
		<p>LO 6d - collaborative work practices - implement and manage projects requiring</p>
I R (7b,7d)	<p>Resolve or work around unexpected issues resourcefully, as appropriate ^[2R; 6R; 7(d)R];</p>	<p>Apply skills and knowledge</p>
		<p>LO 7a - critically evaluate the aesthetic quality of creative works</p>
		<p>LO 7b - apply fundamental business and management skills within organizations and as entrepreneurs,</p>
		<p>LO 7c - integrate an aesthetic sensibility and business acumen to the practical realities of production, promotion, and distribution of commercial or noncommercial cultural products with an understanding of the theoretical and historical underpinnings of one or more creative industry sectors;</p>
		<p>LO 7d - Recognize when more information is required to address the limits of one's own knowledge, abilities, and analyses and determine appropriate next steps</p>