

CS 2033B

Multimedia and Communications II

Winter 2022

1. Course Information

Course Information

This course is blended meaning it is partially online and partially in-person. However, the in-person components (i.e. labs) will be online for at least the month of January. If we are allowed to return to campus in February, the labs will be in-person from that point on.

Lectures are asynchronous and can be watched any time during the week.

Labs are temporarily online and asynchronous and can be completed any time during the week, at least for the month of January. If allowed, they will be in-person once we return to campus.

List of Prerequisites

CS 1033A/B

Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

2. Instructor Information

Instructor Name: Bryan Sarlo

Instructor Email: bsarlo@uwo.ca

Students must use their Western (@uwo.ca) email addresses when contacting the instructor. Students must include the course code "CS 2033" in the subject line of the email.

The instructor is generally quick to respond to email during the week days but not as much during evenings or on weekends.

Weekly office hours will be held on Zoom. Schedule TBD.

The TAs will also hold weekly consulting hours on Zoom. Schedule TBD.

The OWL Forums are also a great place to ask questions. The instructor and TAs will try to check and answer questions there regularly. Students are also encouraged to respond to peers' questions there if you know the answer! Note: do not share files or code that you created in the Forum!

3. Course Syllabus, Schedule, Delivery Mode

The topics of this course are similar to some of those introduced in CS 1033, like photo editing and website development, but they are more technical and advanced in CS 2033. The first two weeks cover advanced photo editing techniques including selections, masks, re-touching photos, colour channels, and adding other effects to images. Then we enter website development for a large portion of the term starting with HTML, then adding CSS, and then JavaScript. Near the end of the term, we discuss other web libraries and platforms like jQuery, Bootstrap, WordPress, and more!

Upon completion of this course, you will be able to:

- Manipulate images in photo editing software using advanced techniques
- Construct a website purely by coding it with HTML and CSS
- Validate and modify web forms using JavaScript for client-side processing
- Modernize websites using various CSS- and JavaScript-based technologies
- Identify several web libraries and online platforms that can assist in web development

Lectures are asynchronous and can be watched any time during the week. The pre-recorded videos and lecture slides for each week will be available on OWL at the start of that week or earlier. The first class is an introduction and course overview and will be held on Zoom.

Topic Schedule:

- | | |
|-------------------------------------|------------------------------|
| 1. Course Overview | January 10 at 9:30am on Zoom |
| 2. Photo Editing (I) | week of January 17 |
| 3. Photo Editing (II) | week of January 24 |
| 4. HTML | week of January 31 |
| 5. CSS | week of February 7 |
| 6. Advanced CSS | week of February 14 |
| 7. JavaScript | week of February 28 |
| 8. Form Validation and Modification | week of March 7 |
| 9. Web Libraries | week of March 14 |
| 10. Modern Website Features | week of March 21 |
| 11. CMS and E-Commerce | week of March 28 |

Important University Dates:

Classes begin: January 10

Reading Week: February 19-27

Classes end: April 8

Exam period: April 10-30 (excluding 15-17)

4. Course Materials

There are no textbooks for this course.

Required Software:

- Affinity Photo [must be purchased]
- Brackets (or a similar code editor program) [free]
- WinSCP or FileZilla or Fugu [free]

Students should check OWL (<http://owl.uwo.ca>) on a regular basis for news and updates. This is the primary method by which information will be disseminated to all students in the class. Students are responsible for checking OWL on a regular basis.

If students need assistance, they can seek support on the OWL Help page. Alternatively, they can contact the Western Technology Services Helpdesk. They can be contacted by phone at 519-661-3800 or ext. 83800.

Technical Requirements

Students are required to have a relatively modern computer and reliable Internet connection.

Microphones and webcam are recommended for communication with the instructor or TAs during consulting hours.

If we cannot be on campus in April, the final exam may be online and AI-proctored with Proctortrack or another proctoring software. In this case, a working webcam would be required.

5. Methods of Evaluation

The overall course grade will be calculated from the following weight breakdown:

Assignments (4)	42%	(6%, 12%, 12%, and 12%)
Labs (9)	9%	(1% each)
Quizzes (3)	9%	(3% each)
Final Exam	40%	

Labs

There are 9 weekly labs in this course. The labs will be due on Fridays at 6:00pm starting Jan. 21 (Lab 1) and on until Mar. 25 (Lab 9).

For the month of January, the labs are asynchronous so you can complete them anytime during the week and then submit your completed files to OWL by 6:00pm on the Friday of that week.

If we are allowed to return to campus in February, labs will then be in-person and you will have to attend the lab in which you are registered. You will **not** be allowed to attend a different section; no exceptions. If you have to miss an in-person lab, you may submit an SRA or obtain accommodations from your counsellor and then follow up with the course instructor to obtain a one-week extension on the lab. If you are given that extension, you may do the lab from home at your own time and show the TA in the following week. Extensions will not be given if you don't have an accommodation or SRA.

Labs are to be done individually, not as a collaboration. If you need help, you are encouraged to ask the TAs for help either by email (while we're online) or verbally (if and when we are on campus). You may also use the Forums but do not share any of your work publicly there.

Quizzes (*dates may be subject to change)

There are three quizzes each worth 3%. The quizzes require some out-of-the-box thinking and applying material in ways you haven't necessarily seen directly in class. You have 30 minutes to complete a quiz when you start it but it must be within the 9:30am to 11:30am timeslot on the given dates. There will **not** be makeup quizzes nor will they be re-opened or extended under any circumstances. Students registered with AE for extra time on tests and quizzes will be given the extra time but the quiz still must be completed between 9:30am and 11:30am on those days.

Quiz 1 – Jan. 31 between 9:30am and 11:30am

Quiz 2 – Mar. 7 between 9:30am and 11:30am

Quiz 3 – Apr. 4 between 9:30am and 11:30am

Assignments (*dates may be subject to change)

There are four assignments. The first one is shorter and is worth 6%. The following three assignments are each worth 12%. The first three assignments are connected thematically and build off each other, so it is important to not skip an assignment, otherwise it will cause trouble for the later assignments.

Assignments are to be done individually, not as a collaboration. If you need help, you are encouraged to ask the TAs for help either by email (while we're online) or verbally (if and when we are on campus). You may also use the Forums but do not share any of your work publicly there.

Assignment 1 – due Jan. 26

Assignment 2 – due Feb. 15

Assignment 3 – due Mar. 7

Assignment 4 – due Mar. 28

Final Exam

The final exam will be scheduled by the Office of the Registrar and this info will likely be given to us in March. The exam will be all multiple choice and/or true and false questions. More info will be posted closer to the exam period.

Important Marking Conditions

To be eligible to pass the course, you must:

- obtain at least 45% on the final exam
- obtain an average of at least 45% on the four assignments

If either of these requirements is not met, your mark will be capped at 45%.

Accommodated Evaluations

Labs that are missed with proper accommodations will be given a one-week extension.

Quizzes that are missed with proper accommodations will be re-weighted to the final exam. Without accommodations, missed labs and quizzes are not re-weighted and are marked as 0.

Accommodations for assignment deadlines will result in an extension (typically of 48 hours, unless academic counselling recommends a different extension length). Assignments will not be re-weighted. Extensions will not be granted and penalties will be applied to late assignments without proper accommodations.

It is your responsibility to contact the course instructor after you submit an SRA or obtain accommodations from your academic counsellor. Failing to contact the instructor afterwards may result in the accommodation becoming void.

6. Accommodation and Accessibility

Accommodation Policies

Students with disabilities work with Accessible Education (formerly SSD) which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The Academic Accommodation for Students with Disabilities policy can be found at: https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Accommodation_disabilities.pdf

Academic Consideration for Student Absence

Students will have up to two (2) opportunities during the regular academic year to use an on-line portal to self-report an absence during the semester, provided the following conditions are met: the absence is no more than 48 hours in duration, and the assessment for which consideration is being sought is worth 30% or less of the student's final grade. Students are expected to contact their instructors within 24 hours of the end of the period of the self-reported absence, unless noted on the syllabus. Students are not able to use the self-reporting option in the following circumstances:

- for exams scheduled by the Office of the Registrar (e.g., December and April exams)
- absence of a duration greater than 48 hours,
- assessments worth more than 30% of the student's final grade,
- if a student has already used the self-reporting portal twice during the academic year

If the conditions for a Self-Reported Absence are *not* met, students will need to provide a Student Medical Certificate if the absence is medical, or provide appropriate documentation if there are compassionate grounds for the absence in question. Students are encouraged to contact their Faculty academic counselling office to obtain more information about the relevant documentation.

Students should also note that individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds, or for other reasons. **All documentation required for absences that are not covered by the Self-Reported Absence Policy must be submitted to the Academic Counselling office of a student's Home Faculty.**

For policy on Academic Consideration for Student Absences - Undergraduate Students in First Entry Programs, see:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Consideration_for_absences.pdf

and for the Student Medical Certificate (SMC), see:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf

Religious Accommodation

Students should consult the University's list of recognized religious holidays, and should give reasonable notice in writing, prior to the holiday, to the Instructor and an Academic Counsellor if their course requirements will be affected by a religious observance. Additional information is given in the Western Multicultural Calendar: <https://multiculturalcalendar.com/ecal/index.php?s=c-univwo>

You may also be eligible to write the Special Exam if you are in a "Multiple Exam Situation" (see http://www.registrar.uwo.ca/examinations/exam_schedule.html).

If a student fails to write a scheduled Special Examination, the date of the next Special Examination (if granted) normally will be the scheduled date for the final exam the next time this course is offered. The maximum course load for that term will be reduced by the credit of the course(s) for which the final examination has been deferred. See Academic Calendar for details (under [Special Examinations](#)).

7. Academic Policies

The website for Registrarial Services is <http://www.registrar.uwo.ca>.

In accordance with policy, https://wts.uwo.ca/identity/identities_and_access/index.html, the centrally administered e-mail account provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at his/her official university address is attended to in a timely manner.

Contingency plan for an in-person class pivoting to 100% online learning

In the event of a COVID-19 resurgence during the course that necessitates the course delivery moving away from face-to-face interaction, all remaining course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on OWL for students to view at their convenience). The grading scheme will **not** change. Any remaining assessments will also be conducted online as determined by the course instructor.

Participants in this course are not permitted to record the sessions, except where recording is an approved accommodation, or the participant has the prior written permission of the instructor.

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf.

Submitted files for assignments and labs may be run through similarity-checking software like MOSS.

Tests and examinations in this course **may** be conducted using the remote proctoring service, such as Proctortrack. By taking this course, you are consenting to the use of this software and acknowledge that you will be required to provide **personal information** (including some biometric data) and the session will be **recorded**. More information about this remote proctoring service is available in the Online Proctoring Guidelines at the following link:

<https://www.uwo.ca/univsec/pdf/onlineproctorguidelines.pdf>

Completion of this course may require you to have a reliable internet connection and a device that meets the technical requirements for this service. Information about the technical requirements are available at the following link: <https://www.proctortrack.com/tech-requirements/>

8. Support Services

Please visit the Science & Basic Medical Sciences Academic Counselling webpage for information on add/drop courses, academic considerations for absences, appeals, exam conflicts, and many other academic related matters: <https://www.uwo.ca/sci/counselling/>

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact Student Accessibility Services (SAS) at (519) 661-2147 if you have any questions regarding accommodations.

Western University is committed to a thriving campus as we deliver our courses in the mixed model of both virtual and face-to-face formats. We encourage you to check out the Digital Student Experience website to manage your academics and well-being: <https://www.uwo.ca/se/digital/>.

Learning-skills counsellors at the Student Development Centre (<http://www.sdc.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual

support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Students who are in emotional/mental distress should refer to Mental Health@Western (http://www.health.uwo.ca/mental_health) for a complete list of options about how to obtain help.

Additional student-run support services are offered by the USC, <http://westernusc.ca/services>.