

CS 2033A – Multimedia and Communications II

Fall 2024

Course Outline

1. Course Information

This course is blended which means it is a combination of online materials and in-person sessions. Lectures are pre-recorded videos that can be watched at any time during the week. We will hold bi-weekly in-class sessions in which we will go through examples, demos, and review questions that help you to learn the course material. While these in-class sessions are not mandatory, they are recommended as you will get to watch and follow along with hands-on activities that will prepare you for the assignments and help you study for the quizzes and final exam. There are also 9 weekly labs that give you practical experience with the hands-on components of the course.

Lectures: Pre-recorded videos that you can watch at any time; you are expected to watch them within the week for which they are specified so that you are prepared for the in-class session, lab, quiz, etc.

In-Class Sessions: Thursdays (every 2 weeks) from 10:30am to 12:30pm [REDACTED]

Labs [REDACTED]

- Section 002 Wednesdays 9:30am to 11:30am
- Section 003 Mondays 12:30pm to 2:30pm
- Section 004 Fridays 9:30am to 11:30am
- Section 005 Fridays 11:30am to 1:30pm
- Section 006 Mondays 6:30pm to 8:30pm

Prerequisite: CS 1033 A/B

Unless you have either the prerequisite 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: Bryan Sarlo Email: bsarlo@uwo.ca
[REDACTED] Office Hours: TBD

Students must use their Western (@uwo.ca) email addresses when contacting their instructors. Please include the course code (CS 2033) in the subject line or the body of your email.

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 go into website development and related topics for the remainder of the term. We begin the website development component by teaching the basics of 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

Lecture Video Schedule

1. Photo Editing (I)	week of September 9
2. Photo Editing (II)	week of September 16
3. HTML	week of September 23
4. CSS	week of October 1
5. Advanced CSS	week of October 7
6. JavaScript	week of October 21
7. JavaScript for Web Forms	week of October 28
8. Web Libraries	week of November 4
9. Modern Website Features	week of November 11
10. CMS and E-Commerce	week of November 18

In-Class Session Schedule

1. Course Overview	September 5 at 10:30am [REDACTED]
2. Affinity Photo	September 19 at 10:30am [REDACTED]
3. HTML and CSS	October 3 at 10:30am [REDACTED]
4. CSS and JavaScript	October 24 at 10:30am [REDACTED]
5. Form Validation	November 7 at 10:30am [REDACTED]
6. Modern Website Features	November 21 at 10:30am [REDACTED]

Key Sessional Dates

Classes begin: September 5, 2024
Fall Reading Week: October 12 – 20, 2024
Classes end: December 6, 2024
Exam period: December 9 – 22, 2024

4. Course Materials

There is no textbook for this course.

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

Required Software:

- Affinity Photo*
- Brackets (or a similar plain-text editor) [free]
- WinSCP or FileZilla or Fugu [free]

** You can purchase Affinity Photo if you don't already own it (from CS 1033) through the PurplePay website but note that it will not be sent out until October **OR** purchase it directly from the official Serif website to get it immediately but it costs more that way **OR** get a free 7-day trial through the official Serif website **OR** use our computer labs when they are not busy (we now have it installed in MC 240 which isn't being used for our scheduled labs).*

All course material will be posted to OWL: <https://westernu.brightspace.com/>

Students are responsible for checking the course OWL site (<https://westernu.brightspace.com/>) regularly for news and updates. This is the primary method by which information will be disseminated to all students in the class.

If students need assistance with the course OWL site, they can seek support on the [OWL Brightspace Help](#) page. Alternatively, they can contact the Western Technology Services Helpdesk. They can be contacted by phone at 519-661-3800 or ext. 83800.

5. Methods of Evaluation

The overall course grade will be calculated as listed below:

Labs (9)	8%	(1% each; the lowest lab is dropped)
Quizzes (3)	12%	(4% each)
Assignments		
Graphic	20%	
Website	20%	
Final Exam	40%	

Labs

There are 9 weekly labs in this course. They will begin the week of September 16-20 and run until the week of November 18-22.

You must attend the lab section in which you are registered. You are **not** allowed to attend a different section under **any** circumstances.

The lowest lab will be dropped at the end of the term, so if you have to miss a lab, it will not affect your mark unless you have already missed one previously. If you miss more than one lab, the weight of the subsequently missed labs (after the first one) will be **automatically** re-weighted to the final exam. Academic considerations are not needed for this and will be denied.

Note that if you miss any labs (including the dropped one), you are still encouraged to go through the lab material on your own time so that you learn and practice the skills involved in those labs. Doing all the labs will help immensely with completing the assignments. The final exam also includes some lab-related questions so it is important that you go through all the labs, even if it does not affect your mark.

Labs are to be done individually, not as a collaboration. If you need help, you are encouraged to ask the TAs for help. If you cannot finish a part of the lab, it does not mean you will lose the mark for the lab. As long as you are working on the lab throughout the 2 hour session and not fooling around, we will not give penalize you for not completing the lab.

You must sign the TA's attendance sheet and show them your completed lab work before leaving the room. If you forget to show them your work, you will not get the mark.

You **cannot** show up to the lab room with your work already completed from home. You **must** do the work during your scheduled lab time. Doing this will result in a mark of 0 for the lab.

Labs are primarily marked as 1 or 0 (pass/fail), however, part marks could be given at the discretion of the TA. To get the full 1 mark for a lab, you must:

- attend the lab in the section in which you are registered,
- work on the lab throughout the entire 2 hours, and
- sign the TA's attendance sheet

Lab Schedule

- | | |
|-----------------------------|-----------------------------------|
| 1. Affinity Photo | week of September 16-20 |
| 2. Affinity Photo | week of September 23-27 |
| 3. HTML | week of September 30* - October 4 |
| 4. CSS | week of October 7-11 |
| 5. Advanced CSS | week of October 21-25 |
| 6. JavaScript | week of October 28 - November 1 |
| 7. JavaScript for Web Forms | week of November 4-8 |
| 8. Web Libraries | week of November 11-15 |
| 9. Modern Website Features | week of November 18-22 |

** September 30 is a non-instructional day (due to the National Day for Truth and Reconciliation) at the university. Students in Monday labs will be contacted about doing this lab (Lab 3 only) from home. All non-Monday labs will run normally that week.*

Other than this one exception for the non-instructional day on September 30, marks will not be given for any labs completed at home under **any circumstances.**

Quizzes

There are three (3) quizzes each worth 4% and each with 20 questions. The quizzes require some out-of-the-box thinking and applying material in ways you haven't necessarily seen directly in lecture or lab. You have 30 minutes to complete a quiz when you start it but it must be within the 10:30am to 12:30pm timeslot on the specified dates (i.e. if you start a quiz at 12:25pm, you will only get 5 minutes and then it

will close). **There will not be makeup quizzes nor will they be re-opened or extended under ANY circumstances.** Students registered with Accessible Education for extra time on tests and quizzes will be given extra time but the quiz still must be completed between 10:30am and 12:30pm on those days. This open window cannot be changed for anybody under any circumstances.

The quizzes are online on OWL so you can do them from anywhere. They are open during the scheduled lecture time but you can do them from home; they are held on weeks when we are not meeting in person.

Quiz Schedule

1. September 26 covering the topics:
 - [1] Photo Editing (I)
 - [2] Photo Editing (II)
2. October 31 covering the topics:
 - [3] HTML
 - [4] CSS
 - [5] Advanced CSS
3. November 28 covering the topics:
 - [6] JavaScript
 - [7] JavaScript for Web Forms
 - [8] Web Libraries
 - [9] Modern Website Features

Note that [10] CMS and E-Commerce is not covered on any quiz (but will be covered on the final exam).

Quizzes are generally non-cumulative, however, note that some previous topics may be indirectly used in later quiz questions. For example, in Quiz 3, there could be a question that requires you to know some HTML or CSS while asking a primarily JavaScript question.

If you miss a quiz, please submit an academic consideration request within 48 hours of the day of the missed quiz and then follow up with the course instructor (not a TA) to confirm the receipt of the academic consideration. If received, the weight of the missed quiz will be shifted to the final exam.

Ensure you have a reliable internet connection at the times of the quizzes. Technical difficulties are not grounds for accommodations.

Assignments

There are two (2) assignments in this course. The first assignment requires you to create some graphics in Affinity Photo and an accompanying branding document. The other assignment is to create a website from scratch by writing HTML, CSS, and JS code. Both assignments give you a lot of freedom in coming up with content and design, but they also have many requirements that have to be followed.

Graphic Assignment due Monday, October 7, 2024 at 11:59pm

Website Assignment due Monday, December 2, 2024 at 11:59pm

You will be required to upload the assignment files to your GAUL server space and then submit a link and/or other information on OWL. Email assignment submissions will **not** be accepted.

Both assignments are to be done individually, not as a collaboration. Do not share your work or ask someone else to do any portion of your work. Do not use ChatGPT or any AI system to do **any** portion of the assignment for you, including AI-generated graphics. These are all forms of academic dishonesty and will be treated and penalized as such.

Late Policy

Each assignments can be submitted up to 2 days (48 hours) late without late penalty. After that 48 hour window elapses, assignments **will not be accepted** and a mark of 0 will be given. Academic consideration requests will be denied.

The assignments are posted well in advance of the due dates so you have lots of time to work on them. You should not leave them to the last minute and then rush to finish them. Please begin early and give yourself lots of time to finish them and submit them **before** the due dates to avoid panic from last minute issues that may arise. Technical difficulties are not grounds for accommodations.

Final Exam

The final exam will be scheduled during the December exam period (Dec. 9 to 22) by the University. We will likely be told the exact date, time, and location in November. The exam will be 2 hours in length. The format will be a combination of multiple choice questions and some short written answer / fill in the blank questions. It will be closed book and electronic devices (calculators, phones, tablets, etc.) will **NOT** be allowed. More information will be posted on OWL closer to the end of the term.

Important Marking Conditions

To be eligible to pass the course, you must:

- obtain at least 50% on the final exam, and
- obtain an average of at least 50% on the two assignments

If either of these requirements is not met, your mark will be capped at 45% (even if your calculated grade comes out to a higher grade, it will be reduced to 45%).

General information about missed coursework

Students must familiarize themselves with the *University Policy on Academic Consideration – Undergraduate Students in First Entry Programs* posted on the Academic Calendar:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/academic_consideration_Sep24.pdf

This policy does not apply to requests for Academic Consideration submitted for **attempted or completed work**, whether online or in person.

The policy also does not apply to students experiencing longer-term impacts on their academic responsibilities. These students should consult [Accessible Education](#).

For procedures on how to submit Academic Consideration requests, please see the information posted on the Office of the Registrar's webpage:

https://registrar.uwo.ca/academics/academic_considerations/

All requests for Academic Consideration must be made within 48 hours after the assessment date or submission deadline.

All Academic Consideration requests must include supporting documentation; however, recognizing that formal documentation may not be available in some extenuating circumstances, the policy allows students to make one academic consideration request **without supporting documentation** in this course. In this course, the academic consideration can **only be used for a missed quiz**. It cannot be used on the following assessments:

- Labs (since we drop the lowest one and re-weight subsequently missed labs to the final exam)
- Assignments (since we allow you to submit each assignment up to 48 hours late without penalty)
- Final exam (documentation is always required to miss a final exam)

When a student *mistakenly* submits their one allowed Academic Consideration request **without supporting documentation** for the assessments listed above (anything other than a missed quiz), the request cannot be recalled and reapplied. This privilege is forfeited.

Evaluation Scheme for Missed Assessments

Labs The lowest lab is dropped and subsequently missed labs are re-weighted to the final exam automatically.

Assignments You may submit each assignment up to 48 hours late without penalty. Assignments will **not be accepted** more than 48 hours after the due date.

Quizzes If you submit an academic consideration (with or without documentation) for a missed quiz, the weight of that quiz will be shifted to the final exam. Missing a quiz without an academic consideration will result in a mark of 0 on that quiz.

Final Exam When a student misses the Final Exam and their Academic Consideration has been granted, they will be allowed to write the Special Examination (the name given by the University to a makeup Final Exam). See the Academic Calendar for details (under [Special Examinations](#)), especially for those who miss multiple final exams within one examination period.

6. Additional Statements

Religious Accommodation

When conflicts with a religious holiday that requires an absence from the University or prohibits certain activities, students should request an accommodation for their absence in writing to the course instructor and/or the Academic Advising office of their Faculty of Registration. This notice should be made as early as possible but not later than two weeks prior to the writing or the examination (or one week prior to the writing of the test).

Please visit the Diversity Calendars posted on our university's EDID website for the recognized religious holidays:

<https://www.edi.uwo.ca>.

Accommodation Policies

Students with disabilities are encouraged to contact Accessible Education, which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The policy on Academic Accommodation for Students with Disabilities can be found at:

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

Academic Policies

The website for Registrar Services is <https://www.registrar.uwo.ca/>.

In accordance with policy,

https://www.uwo.ca/univsec/pdf/policies_procedures/section1/mapp113.pdf

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 their official university address is attended to in a timely manner.

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:

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

Assignments, labs, and exams may be analyzed using similarity checking software. Do not write or submit work that is not entirely your own.

In the event of a health lock-down, tests and examinations in this course may be conducted using a remote proctoring service. 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**. Completion of this course will require you to have a reliable internet connection and a device that meets the technical requirements for this service. More information about this remote proctoring service, including technical requirements, is available on Western's Remote Proctoring website at:

<https://remoteproctoring.uwo.ca>

Support Services

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

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

Western is committed to reducing incidents of gender-based and sexual violence and providing compassionate support to anyone who has gone through these traumatic events. If you have experienced

sexual or gender-based violence (either recently or in the past), you will find information about support services for survivors, including emergency contacts at

https://www.uwo.ca/health/student_support/survivor_support/get-help.html

To connect with a case manager or set up an appointment, please contact support@uwo.ca.

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 Accessible Education at

http://academicsupport.uwo.ca/accessible_education/index.html

if you have any questions regarding accommodations.

Learning-skills counsellors at Learning Development and Success (<https://learning.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.

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/>.

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