

CS 2033A – Multimedia and Communications II

Fall 2022

Course Outline

1. Course Information

Course Information

This course is blended which means it is a combination of online 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 other activities 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 practice doing the hands-on components of the course as well as review questions that will help you study for the quizzes and final exam. There are also 9 mandatory weekly labs that give you practical experience with the hands-on components of the course.

Lectures: Thursdays (every 2 weeks) from 10:30am to 12:30pm in SH-3345.

Labs (all take place in NCB-105):

- 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

Name: Bryan Sarlo

Email: bsarlo@uwo.ca

Office: MC 361

Office Hours: Mondays 2-4pm in-person unless otherwise stated on OWL

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 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

Lecture Video Schedule

1. Photo Editing (I)	week of September 12
2. Photo Editing (II)	week of September 19
3. HTML	week of September 26
4. CSS	week of October 3
5. Advanced CSS	week of October 10
6. JavaScript	week of October 17
7. Form Validation and Modification	week of October 24
8. Web Libraries	week of November 7
9. Modern Website Features	week of November 14
10. CMS and E-Commerce	week of November 21

In-Class Session Schedule

1. Course Overview	September 8 at 10:30am in SH-3345
2. Affinity Photo Demos	September 22 at 10:30am in SH-3345
3. HTML and CSS Demos	October 6 at 10:30am in SH-3345
4. CSS and JavaScript Demos	October 20 at 10:30am in SH-3345
5. Form Validation Demos	November 10 at 10:30am in SH-3345
6. Modern Website Features Demos	November 24 at 10:30am in SH-3345

Key Sessional Dates

Classes begin: September 8, 2022
Reading Week: October 31 – November 6, 2022
Classes end: December 8, 2022
Exam period: December 10 – 22, 2022

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, affected 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.

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 [must be purchased] **OR** you can use the lab rooms when they are not busy (i.e. late evening or on weekends)
- Brackets (or a similar code editor program) [free]
- WinSCP or FileZilla or Fugu [free]

Students are responsible for checking the course OWL site (<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. The course site on OWL is labelled as "COMPSCI 2033A 200 FW22"

If students need assistance with the course OWL site, 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.

5. Methods of Evaluation

The overall course grade will be calculated as listed below:

Assignments (4)	44%	(4%; 10%; 15%; 15%)
Labs (9)	7%	(1% each; the lowest 2 are dropped)
Quizzes (3)	9%	(3% each)
Final Exam	40%	

Assignments

There are four assignments. The first one is short and is worth 4%. The following three assignments are each worth 10% or 15%. 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 or in consulting hours. You may also use the Forums but do not share any of your work publicly there.

The tentative assignment schedule is as follows:

Assignment 1 [4%]	Restaurant Plan	due Friday, September 23
Assignment 2 [10%]	Restaurant Menu	due Thursday, October 6
Assignment 3 [15%]	Restaurant Website	due Tuesday, November 8
Assignment 4 [15%]	Business Website	due Monday, December 5

All assignments will be due at 11:55pm unless otherwise stated. They will all require you to upload one or more files to your GAUL server space and then submit a link and/or other information on OWL. Email assignment submissions will not be accepted.

Assignments that are late are subject to a 10% penalty per day, up to 3 days and assignments will not be accepted after 3 days late (unless you have approval from Academic Counselling for a longer extension due to an illness or other valid reason). However, you will be given 4 late coupons that you can use to waive the late penalty on any assignments. Each late coupon will waive the penalty for one day. You may use any number of coupons on an assignment, but once they run out, you will not be given any more for the remaining assignments. You will have to include the coupon code(s) you wish to use on an assignment in the OWL submission textbox along with your link and/or other submission text. This information will be given to you in your assignment instructions.

Labs

There are 9 weekly labs in this course. They will begin the week of September 19-23 and run until the week of November 21-25.

You must attend the lab section in which you are registered. You are not allowed to attend a different section. **There are no exceptions to this rule.**

The lowest two labs 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 two labs. If you need to miss more than two labs due to an ongoing illness or other valid reason, you should contact your Academic Counsellor (from your home department) to seek accommodations and then follow up with your instructor.

Note that if you miss any labs (including the dropped two), 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. 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.

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.

Lab Schedule

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|----------------------------|----------------------|
| 1. Affinity Photo | week of September 19 |
| 2. Affinity Photo | week of September 26 |
| 3. HTML | week of October 3 |
| 4. CSS | week of October 10* |
| 5. CSS Layouts | week of October 17 |
| 6. JavaScript | week of October 24 |
| 7. Form Validation | week of November 7 |
| 8. jQuery and Bootstrap | week of November 14 |
| 9. Modern Website Features | week of November 21 |

* October 10 is the Thanksgiving holiday so the university will be closed. Students in Monday labs will be contacted about doing this lab (Lab 4 only) from home. All non-Monday labs will run normally.

Quizzes

There are three quizzes each worth 3% and each have 20 questions. 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 10:30am to 12:30pm timeslot on the given 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 AE for extra time on tests and quizzes will be given the extra time but the quiz still must be completed between 10:30am and 12:30pm on those days.

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, as they are all held on weeks when we are not meeting in person.

Quiz Schedule

1. September 29 covering the topics:
 - [1] Photo Editing (I)
 - [2] Photo Editing (II)
2. October 27 covering the topics:
 - [3] HTML
 - [4] CSS
 - [5] Advanced CSS
3. December 1 covering the topics:
 - [6] JavaScript
 - [7] Form Validation and Modification
 - [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). Also 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).

Final Exam

The final exam will be scheduled during the December exam period (Dec. 10 to 22) by the University. We will likely be told the exact date, time, and location sometime in November. The exam will be 2 hours in length and will be completely multiple choice format. It will be closed book and no electronic devices (i.e. phones, tablets, and calculators) will be allowed. More information will be posted on OWL closer to the exam period in December.

Important Marking Conditions

To be eligible to pass the course, you must:

- obtain at least 45% on the final exam, and
- obtain a weighted average of at least 45% on the four 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%).

6. Student Absences

If you are unable to meet a course requirement due to illness or other serious circumstances, please follow the procedures below.

Assessments worth less than 10% of the overall course grade:

You can miss up to 2 labs without any penalty since we drop the lowest 2 labs. If you miss several labs due to an ongoing illness or other valid reason, you should contact your academic counsellor to seek accommodations for the other labs you miss and then contact your course instructor about it.

For assignments, you have 4 late coupons that will automatically give leniency with due dates. If you require additional time with assignments (after your late coupons run out) with a valid reason, you should contact your academic counsellor to seek accommodations for the assignments that are late and then contact your course instructor about it.

Assessments worth 10% or more of the overall course grade:

For work totalling 10% or more of the final course grade, you must provide valid medical or supporting documentation to the Academic Counselling Office of your Faculty of Registration as soon as possible. For further information, please consult the University's medical illness policy at

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

The Student Medical Certificate is available at

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

Absences from Final Examinations

If you miss the Final Exam, please contact the Academic Counselling office of your Faculty of Registration as soon as you are able to do so. They will assess your eligibility to write the Special Examination (the name given by the University to a makeup Final Exam).

You may also be eligible to write the Special Exam if you are in a “Multiple Exam Situation” (e.g., more than 2 exams in 23-hour period, more than 3 exams in a 47-hour period).

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 the Academic Calendar for details (under [Special Examinations](#)).

Note: missed work can *only* be excused through one of the mechanisms above. Being asked not to attend an in-person course requirement due to potential COVID-19 symptoms is **not** sufficient on its own.

6. Accommodation and Accessibility

Religious Accommodation

When a course requirement conflicts with a religious holiday that requires an absence from the University or prohibits certain activities, students should request accommodation for their absence in writing at least two weeks prior to the holiday to the course instructor and/or the Academic Counselling office of their Faculty of Registration. Please consult University's list of recognized religious holidays (updated annually) at

<https://multiculturalcalendar.com/ecal/index.php?s=c-univwo>.

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.

7. Academic Policies

The website for Registrarial Services is <http://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:

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

Computer-marked multiple-choice tests and exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

8. Support Services

Please visit the Science & Basic Medical Sciences Academic Counselling 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.

Learning-skills counsellors at the Student Development Centre (<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/>.