

# CS 2033B

## Multimedia and Communications II

### 1. Course Information

#### Course Information

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

Labs are also asynchronous and can be completed any time during the week.

#### 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](mailto: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 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.

#### Topic Schedule:

- |                                     |                     |
|-------------------------------------|---------------------|
| 1. Welcome / Overview               | week of January 11  |
| 2. Advanced Photo Editing           | week of January 18  |
| 3. Advanced Photo Editing           | week of January 25  |
| 4. HTML                             | week of February 1  |
| 5. CSS                              | week of February 8  |
| 6. CSS Layouts                      | week of February 22 |
| 7. JavaScript                       | week of March 1     |
| 8. Form Validation and Modification | week of March 8     |
| 9. jQuery and Bootstrap             | week of March 15    |
| 10. Modern Websites                 | week of March 22    |
| 11. CMS and E-Commerce              | week of March 29    |

#### Important University Dates:

Classes begin: January 11

Reading Week: February 13-21

Classes end: April 12

Exam period: April 14-30

## 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.

The final exam **may** be proctored with Proctortrack or another proctoring software. In this case, a working webcam is required.

## 5. Methods of Evaluation

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

Assignments (3)	36%	(9%, 12%, and 15%)
Labs (10)	10%	(1% each)
Quizzes (3)	9%	(3% each)
Final Exam	45%	

### Lab Due Dates

Weekly labs will be due on Friday nights at 11:55pm starting Jan. 22 (Lab 1) and on until Apr. 2 (Lab 10).

**Quiz Dates** (\*dates may be subject to change)

Quiz 1 – Feb. 3

Quiz 2 – Mar. 3

Quiz 3 – Mar. 31

### **Assignment Due Dates** (\*dates may be subject to change)

Assignment 1 – due Feb. 11

Assignment 2 – due Mar. 8

Assignment 3 – due Apr. 7

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 three assignments

### **Accommodated Evaluations**

Labs and 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.

## **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](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](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](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](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](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](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](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>.