

The University of Western Ontario

London, ON, Canada

Department of Computer Science

CS2033: Multimedia & Communications II

January 2020

COURSE DESCRIPTION

This course expounds upon some of the introductory concepts taught in CS1033 regarding multimedia and communications. This follow up course begins with lectures on advanced photo editing features like retouching and recolouring pictures, selections, masks, and channels. The rest of the course relates to website development including HTML, CSS, JavaScript, Bootstrap templates, responsive websites, CMS's like WordPress, and e-commerce.

PREREQUISITES

Prerequisite course: CS1033A/B

Students are expected to know how to use a Windows or Mac computer for creating, editing, deleting, and moving files and folders; installing programs; and following instructions to learn new software. Students should have a general understanding of topics taught in CS1033.

TEXTBOOK

There is no required textbook, but it may be helpful to refresh some of the topics from CS1033. My online textbook, *Multimedia and Communications*, was written specifically for CS1033 but also has some introductory portions relating to topics from this course.

<https://he.kendallhunt.com/product/multimedia-and-communication>

INSTRUCTOR

Instructor: Bryan Sarlo

Email: bsarlo@uwo.ca

Office: MC 361

Phone Extension: 81417

Office Hours: Mondays 1pm-3pm* or by appointment

**I may have to cancel or postpone these office hours occasionally due to other course duties*

SOFTWARE

Affinity Photo

- Use the labs (i.e. NCB-105) when they are free (weekends and late evenings)
- Purchase the program if you would like, but it is not necessary

Brackets

- Free to download at <http://brackets.io/>

COURSE WEBPAGE

This course is largely based in OWL. This OWL page is where I will post lecture slides, labs, assignments, quizzes, announcements, useful resource links, and other course information. You are responsible for checking OWL and your Western email frequently.

LECTURES

Lectures are 2 hours in length, usually with a 5-10 minute break about halfway through the period. The lectures will be held in NSC-1 on Mondays 9:30am to 11:30am.

This is a tentative list of the lecture topics. Note that some minor changes may occur on these topics or the order in which they are taught.

1. Introduction to course
2. Photo editing concepts
3. Photo editing concepts
4. HTML and web Forms
5. CSS
6. CSS layouts and animations
7. JavaScript
8. Bootstrap websites
9. Responsive websites
10. CMSs and e-commerce
11. External Files

STUDENT EVALUATION

Evaluation Type	Tentative Due Date	Weight of Grade
Labs	Every week beginning the week of January 13	9%
Quiz 1	Feb. 5	2%
Quiz 2	Mar. 4	2%
Quiz 3	Apr. 1	2%
Assignment 1	Jan. 31	10%
Assignment 2	Feb. 28	15%
Assignment 3	Mar. 27	20%
Final Exam	TBD	40%

Remember that dates are tentative and may be subject to change.

LABS

You must go to the lab section that you are enrolled in. You cannot attend a different section lab even if you had to miss your section for a valid reason. You must complete the lab during the 2 hour slot you are enrolled in. You will receive a 0 on a lab if you complete it on your own time before the lab session and show up with it already finished.

All our labs are held in NCB-105. The lowest lab mark will be dropped, so if you miss one without accommodation, it will not count against you.

See the section on Accommodations for specific information on how accommodated missed labs are handled.

This is a tentative list of the lab topics. Note that some minor changes may occur on these topics or their order.

1. Refresher on FTP and Affinity Photo
2. Advanced Photo Editing
3. Advanced Photo Editing
4. HTML
5. CSS
6. JavaScript
7. JavaScript
8. Bootstrap
9. Responsive website
10. WordPress and e-commerce

QUIZZES

There will be 3 online quizzes to complete within OWL. These quizzes are open-book but may require you to solve problems and think outside the box. The quizzes will remain open for a couple days so that you can complete them any time during the open period. Once a quiz period is over, they will remain closed and there will not be extensions or make-up quizzes granted for students forgetting to complete them or being too busy to complete them.

See the section on Accommodations for specific information on how accommodated missed quizzes are handled.

ASSIGNMENTS

There will be 3 assignments over the term of increasing grade weight (10%, 15%, and 20%). The assignments tie in closely to the topics taught in lectures and in labs. You will be expected to follow objective criteria and use your own creativity as well. You will need to use FTP to upload assignment files to the servers. Attaching the files directly in OWL is not sufficient.

Specific assignment information will be posted on OWL and mentioned in class around the time that they become open and visible.

See the section on Accommodations for specific information on how we handle accommodations during assignment periods.

FINAL EXAM

The final exam will be entirely multiple choice and true/false including questions from lectures and labs. Note that you will not be expected to re-do labs during your studies but as long as you completed all the labs and read through the instructions and understood them, you should be prepared for those lab-based questions on the exam. It will be a 2 hour exam. More details about the exam will be announced in March and April, closer to the exam period.

ACCOMMODATIONS FOR LABS, QUIZZES, OR ASSIGNMENTS

If you have a valid reason to miss your lab, quiz, or assignment submission, please contact an academic counsellor about it or submit a self-reported absence. Counsellors will require some form of documentation (i.e. note from a doctor, varsity sport's representative, etc.). Once an academic counsellor approves your absence or inability to complete the assessment, they will directly notify me and then I will determine a reasonable extension for you. I cannot and will not grant extensions that haven't gone through the academic counselling first. Do not email me asking for an extension if you haven't contacted your academic counsellor or submitted a self-reported absence first.

How each of the assessments' accommodations will typically work:

- For missed labs that are accommodated, you will generally receive one week extension to complete the lab on your own time and show it to the TA in the subsequent week (or at a reasonable appointment determined between you and the TA).
- For missed quizzes that are accommodated, the weight of the missed quiz will be pushed to the final exam.
- For missed assignment deadlines, you will receive an extension to complete the assignment. Since the OWL submission will likely be closed by then, instructions will be given on how to submit your assignment (i.e. emailing a file or link to a TA) and late marks will be waived assuming you submit by the extension deadline. Note that the length of the extension will depend on the type of accommodation. Self-reported absences will always yield a 2-day extension. Other accommodations through academic counsellors will be based on the timeline suggested by the counsellor.

ACADEMIC OFFENCES, ETHICAL CONDUCT AND IMPORTANT LEGALITIES

It is Faculty of Science policy that a student who chooses to write a test or exam deems themselves fit enough to do so, and the student must accept the mark obtained. Claims of medical, physical, or emotional distress after the fact will not be considered. There is no opportunity for a re-weight of the other course components after the test or exam has been written.

It is university policy that a regularly scheduled class (lecture, lab, or tutorial) takes precedence over tests and exams. Therefore, if another course schedules a test or exam that takes place during your lab or tutorial, the instructor for that course must accommodate you. No electronic devices (phones, iPods, etc.) may be in your possession during tests and exams, even for timekeeping purposes.

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at this website: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

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

All assignments are individual assignments. You may discuss approaches to problems among yourselves; however, the actual details of the work (assignment coding, answers to concept questions, etc.) must be your individual effort.

Plagiarism: Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt

both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar).

Assignments that are judged to be the result of academic dishonesty will, for the student's first offence, be given a mark of zero **with an additional penalty equal to the weight of the assignment also being applied**. You are responsible for reading and respecting the Computer Science Department's policy on Scholastic Offences and Rules of Ethical Conduct.

The University of Western Ontario uses software for plagiarism checking such as MOSS. Students will be required to submit their programs in electronic form for plagiarism checking. Students will be required to submit their programs in electronic form for plagiarism checking. Also, references will be requested when downloading images from the Internet for assignments.

ACCESS TO LAB ROOMS IN MIDDLESEX COLLEGE

After-hours access to Computer Science lab rooms is by student card. If a student card is lost, you will need to visit the Student Services Building to obtain a replacement. As of 2019, the cost for a replacement card is \$32. More information is available at https://registrar.uwo.ca/services/western_onecard_and_photo_standards.html.

Students enrolled in Computer Science courses will be granted access to the labs within 7 days of enrollment. If you do not have access to the labs after 7 days, please open a ticket with Science Technology Services at <https://helpdesk.sci.uwo.ca>.

RELIGIOUS HOLIDAYS

For more information look here:

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

UNIVERSITY STUDENTS' COUNCIL

For more information about services provided by the Students' Council, look here: <http://westernusc.ca/your-services>

TUTORING

The role of tutoring is to help students understand course material. Tutors should not write part or all of an assignment for the students who hire them. Having employed the same tutor as another student is not a legitimate defence against an accusation of collusion, should two students hand in assignments judged similar beyond the possibility of coincidence.

CODE OF STUDENT CONDUCT

To foster a supportive and enriching academic environment that is conducive to learning and free inquiry, Western has a Code of Student Conduct

(<http://www.uwo.ca/univsec/pdf/board/code.pdf>).

You can expect your instructor to promote this environment and also respect each student's unique views and opinions. Because Western is also a part of your environment, we expect the same from you. Activities that disturb another student's right to this environment will not be tolerated; these include talking in class about matters irrelevant to the course and using electronic devices inappropriately.

You can also expect your instructor to come prepared, on time, and eager to help you learn. In turn, we expect that you will come prepared, on time, and ready to learn.

EQUAL OPPORTUNITY AND EVALUATION POLICY

All individuals involved in the offering of CS2033 were, at one time, students themselves. Accordingly, they thoroughly understand the importance of course grades and the hard work that you will invest into this course. They are there to help you achieve your goals in CS2033. We want you to do well in the course, but we also have to be fair. The university is committed to academic integrity and has high ethical and moral standards. All students will be treated equally and evaluated using the criteria presented in this course outline and their respective weights. The evaluation criteria are based strictly on actual achievement, not on effort or how hard the student tried. Claims of an excellent academic history, of attendance in the course components, or of personal issues (family, relationship, financial, etc.) cannot be used to justify a higher grade in the course because they are not criteria for evaluation. There is no extra work available for extra credit or to "make up" another grade. We do not offer any extra assignments, essays, experiments, or other work of any kind to any student. The requirement for a higher grade in order to, for example, maintain a scholarship, enter a program, or obtain a higher GPA for various reasons, is not a justifiable reason for increasing your grade. If we increased or "bumped" your grade (i.e. gave you a grade that you did not legitimately earn), it would be unfair to the other students and also a great disservice to the scholarships and programs who are evaluating all students on the basis of their grades.

ACADEMIC ACCOMMODATION FOR MEDICAL ILLNESS

If you are unable to meet a course requirement due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to your academic counselling unit for your home faculty as soon as possible and contact your instructor immediately. It is the student's responsibility to make alternative arrangements with their instructor once the accommodation has been approved and the instructor has been informed.

In the event of a missed final exam, a "Recommendation of Special Examination" form must be obtained from the academic counselling unit for your home faculty immediately.

A student requiring academic accommodation due to illness should use the Student Medical Certificate when visiting an off-campus medical facility or request a Record's Release Form (located in the academic counselling unit for their home faculty) for visits to Student Health Services. The form can be found at:

https://www.uwo.ca/sci/counselling/procedures/academic_consideration_for_absences/illness.html

Students who are in emotional/mental distress should refer to Mental Health@Western: <http://www.uwo.ca/uwocom/mentalhealth/> for a complete list of options about how to obtain help.

CLASSROOM AND COURSE ACCESSIBILITY

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 x 82147 for any specific question regarding an accommodation. For more information look here: <http://sdc.uwo.ca/ssd/>

STUDENT DEVELOPMENT CENTRE's LEARNING SKILLS SERVICES

Rm 4100 WSS, www.sdc.uwo.ca/learning LS counsellors are ready to help you improve your learning skills. We 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.

REGISTRARIAL SERVICES

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