Computer Science 1011b – The Internet: Behind the Curtain
Course Outline – Winter Term 2018

Calendar Description

The technological successes that have led to the Internet's wide adoption for work and social purposes. The ways in which computer technology has led to more compact representation of data, and faster, more reliable and more secure communication. Intended primarily for students not in Computer Science.

Prerequisites
No prerequisites are required for this course.

Antirequisites
CS 2210a/b

Instructor: L. Magguilli

Office: Middlesex College 386
Office Hours: Thursdays 12:30pm – 1:15 pm
E-Mail: lmagguil@uwo.ca

Required Material

Textbook: There is no textbook required for this course.

Course Web Page

The course website is located within OWL (powered by Sakai). To access the website, navigate to http://owl.uwo.ca and login with your university personal computer account (user id and password). Lecture notes, assignments and class information will be posted at this site. You are responsible for checking the course site regularly.

Course Schedule

CS1011b Section 001
Lecture Times:

Wednesday	10:30 am – 12:30 pm	**Location:** Talbot College (TC) - Rm 141
Thursday	1:30 pm – 2:30 pm	**Location:** North Campus Building (NCB) - Rm 113

Scheduled Lectures

The scheduled lectures for the course use presentation software and appropriate applications software to present the course content. The required course materials supply portions of the course content. Readings and practice exercises will be assigned. Students are expected to come to class prepared, by completing the readings and exercises before class.

Lecture materials will be available on the course website. These materials are intended to aid in note-taking and provide review of course content. They are not complete course notes and are not a substitute for attending lectures.

Curriculum Schedule:

The following represents the order the course topics will be presented.

UNIT	Lecture Topic
1	Definitions (Internet / Web)
2	Binary Data
3	Computer Architecture
4	HTML
5	Web Addressing
6	DNS
7	JavaScript
8	Packet Switching

By the end of this course, the student will be able comprehend the mechanics of the file sharing mechanisms of the global network referred to as the Internet.

Classroom Conduct

Students are expected to arrive promptly and remain in class until the end of the lecture, so as to not disturb others in the class. The use of a laptop is permitted during class, but it is expected that its use will be to assist in the learning of course materials and not for any other activities. Any behaviour or activity that may impede the ability of you or other students to learn will not be tolerated and if the behaviour persists the individual(s) involved will be invited to leave the classroom.

Email Contact

Occasionally email messages may be sent to the entire class or to students individually. Email will be sent to your UWO email address as assigned to you by Information Technology Services (ITS). It is your responsibility to read this email on a frequent and regular basis. You may wish to have this email forwarded to an alternative email address; see the ITS website for instructions on forwarding email.

You should note that email at the university and thru other providers have quotas or limits on the amount of space that is dedicated to each account. Unchecked email may accumulate beyond those limits and you may be unable to retrieve important messages from the university. Losing email is not an acceptable excuse for not knowing about the information that was sent.

Email contact with the course instructor is encouraged, by sending brief and appropriate message regarding lecture material or assignments. However, please first check the Forums section in OWL to see if the information has already been posted. If you contact the instructor via email or post a question in OWL, you can expect a response in a timely fashion, but not necessarily an instantaneous response. Please use proper, appropriate and respectful English when sending an email message or posting on the course web site.

NOTE: Email messages **must** be sent from your university account and **MUST** include:
      "**CS 1011 W18**" in the subject line. (spaces/case do not matter: ex: cs1011w18 works)
      Email messages without **CS 1011 W18**" in the subject line will automatically be trapped
      by the instructor's SPAM filter and will **NOT** be <u>available</u>, <u>read</u> or <u>responded to</u>.

      Do not use 'respond to' for any email originating from OWL (announcements, etc.) – ensure the professor's email is the in the destination and <u>NOT</u> to: `postmaster@owl.uwo.ca`

Student Evaluation

- Assignment 1: 10%   February 02, 2018
- Assignment 2: 15%   March 02, 2018
- Assignment 3: 15%   April 05, 2018
- Final Exam: 60%   TBA

If for any reason the **assignment schedule** given above cannot be adhered to, the assignment marks will be pro-rated. (The 3 assignments are worth 40% of the overall mark for the course. If an assignment has to be cancelled for any reason, the remaining assignment weights will be scaled to add up to 40%.)

To be eligible to obtain a passing mark in the course, the student's final exam grade must be 46% or higher.

Every effort will be made to have assignments marked and handed back within 2 weeks of the hand in date.

Late Policy for Assignments:

- Assignment will be accepted up to one (1) day late.
- Assignments submitted after 6:00 PM on the due date but before 6:00 AM on the day after the posted due date will be deducted 10% of the total grade.
- Assignments submitted after 6:00 AM on the day after the due date but before 6:00 PM on the day after the due date will be deducted 25% of the total grade.
- Assignments submission will be closed at 6:00 PM on the day after the posted assignment due date.
- No assignments can be submitted to OWL after 6:00 PM on the day after the posted assignment due date.

- An assignment that is more than one (1) day late will not be accepted.

- No extensions will be given for assignments. However, in the event of serious medical or compassionate grounds, a student must follow the procedure for Academic Accommodation for Medical Illness as given above. If an academic accommodation is approved by the Dean's office, the weight of the assignment will be moved to one of the two exams.

Late assignments will have a penalty of 10% or 25% of the maximum mark for the assignment deducted based on time of submission as listed in OWL. Thus, if a student would have received 90% on an assignment, if it was submitted three hours late the student would receive 80%, if it was submitted twenty hours late the student would receive 65%

Exam Schedule

No electronic devices are allowed during exams (no calculators, iPods, cell phones, laptops, etc)
Cell Phones are **NOT** permitted to <u>be visible or accessible during any part of the examination period</u>.

The use of a calculator is <u>not</u> allowed.

The use of **ANY** electronic device is <u>not</u> allowed.
Reference notes or Dictionaries of any kind are <u>not</u> allowed.

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

Final Exam

- The date, time and location of final exam will be announced by the Registrar's Office. The final exam will be held during the university final examination period.
- Students requesting a deferred final exam prior to the final exam must supply their Dean's Office with written documentation at least 2 weeks prior to the Final Exam.
- In the event of serious medical or compassionate grounds, a student must follow the procedure for Academic Accommodation for Medical Illness as given above.
- A "Recommendation of Special Examination" form must be obtained from the Dean's office, to be eligible to write the deferred final exam.

Academic Accommodation for Medical Illness

If you are unable to meet the course requirement due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to your Dean's office as soon as possible and contact the instructor immediately. It is the student's responsibility to make alternative arrangements with the instructor once the accommodation has been approved and the instructor has been informed. For further information please see: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf.

A student requiring academic accommodation due to illness should use the Student Medical Certificate when visiting off-campus medical facility or request a Record's Release Form (located in the Dean's Office) for visits to Student Health Services. The form can be found at: https://studentservices.uwo.ca/secure/medical_document.pdf.

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.

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.

Contact Information:

Link to the website for Registrarial Services: http://www.registrar.uwo.ca

Link to services provided by the University Students' Council: http://westernusc.ca/services/

Ethical Conduct

Scholastic offences are taken <u>seriously</u> 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

Plagiarism: Students must complete their 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). The University of Western Ontario uses software for plagiarism checking. Students will be required to submit their programs in electronic form for plagiarism checking.

All assignments are individual assignments. You may discuss approaches to problems among yourselves; however, the actual details of the work must be an individual effort.

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 defense against an accusation of collusion, should two students hand in assignments judged similar beyond the possibility of coincidence.

Academic dishonesty in assignments includes (but is not limited to):

- unacceptable collaboration
  - What is unacceptable? There is a difference between discussing assignments and solutions with fellow students, and working together on the solutions to the point where the work submitted is clearly not individual work. <u>If in doubt, ask your instructor</u>.
- **copying** of another student's assignment
- **allowing** another student to copy your work ← this is also an **Academic Offense**
- using code from an external source (text, instructor, course website) where a student's own code is expected (if in doubt, ask your instructor)

Assignments that are judged to be the result of **academic dishonesty** will, for the student's first offence, be:
- **given a mark of <u>zero</u> for the assignment**,
     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
   (http://www.csd.uwo.ca/current_students/undergraduate_students/scholastic_offences.html)
   and
Rules of Ethical Conduct
   (http://www.csd.uwo.ca/UnderGrad/ethical.shtml