

CS3873 – Net Centric Computing (Winter 2019)

COURSE OUTLINE

Introduction to fundamentals of data communication and application programming in a networked environment. Topics include data transmission, data link concepts, networking concepts, network security, application protocols, net-centric computing and web programming.

Prerequisite: CS 2253 or CS 2263. CS 2263 is recommended

Meeting Information

Lectures	Labs	Course Website
MWF 11:30am-12:20pm, H102	F 2:30pm-4:20pm (biweekly), GWC112	http://lms.unb.ca

Students should check the course website regularly for course information.

Contact Information

Instructor	Office Hours	Email
Wei Song, Associate Professor, P.Eng. Coordinator for Software Engineering Program	MWF 1:30pm-2:30pm, ITD 419 (extra hours on demand)	wsong@unb.ca

Marking Scheme

Component	Weight	Notes
Labs	15%	Biweekly labs provide scheduled time for students to work on laboratory exercises with assistance from teaching assistants and/or the instructor. A digital copy of the lab report or code should be uploaded to the dropbox at D2L by the due date stated in the lab manual.
Assignments	15%	Regular assignments will be given in about every two weeks to deepen understanding of course concepts. A paper copy of the solutions should be dropped into the assignment bin on E-level of Gillin Hall by the due date stated in each assignment.
Midterm	20%	Tentatively scheduled at lecture time on Feb. 27th, 2019 . 50-min closed-book exam covering to-date course materials.
Final Exam	50%	To be scheduled by Registrar's Office of UNB. Two-hour closed-book exam covering all course materials.

Textbook (Required)

- James F. Kurose and Keith W. Ross, *Computer Networking: A Top-Down Approach*, 7th Edition, Pearson, 2017.
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Course Policies

About Use of Technology Products

Students can only use technology products such as PDA, laptops, iPads, and cell phones in class for lecture-related activities without distracting others.

About Late or Missing Work

- Since multiple chances are already built into the grading of assignments, normally no reconciliation accommodations will be provided for missed or late submissions. In extreme legitimate cases (extended illness, multiple bereavements etc.), an extension for course work needs to be requested by writing (by email, for example) and appropriate documentation should be provided. The extension period starts from the due date, *not* from when the student contacts the instructor. It is the student's responsibility to contact the instructor as soon as possible. In no case will extensions will be given beyond the date and time when the marked work is handed back or a solution is posted, or presented in the class.
- If the midterm is missed for a legitimate reason (illness, bereavement, etc.) and appropriate documentation is provided to the instructor, the weight of the midterm will be transferred to the final exam.
- Nothing in the above policies should be read as encouraging students come to class when you are unwell. Remember that your health and that of your classmates are always first priority.
- Students are responsible for keeping all assessed work in order to resolve discrepancies about their progress.

About Email Etiquette

Always use your *UNB email address* when emailing an instructor. Emails from non-UNB addresses will not be responded due to privacy concerns. You are enrolled in a professional program, and must remember that all communications must be conducted in a professional manner. When writing an email, the subject must be clear and appropriate, and preferably include CS3873 to avoid being deleted by an anti-spamming filter. It is important to sign the email with your full name and student number. Unprofessional emails will not be acknowledged.

About Class Recording and Copyright

Anyone who wishes to video or audio record lecture presentations, or distribute course notes or other similar materials provided by instructors must obtain the university and the instructor's written consent beforehand. Otherwise all such reproduction is an infringement of copyright and is absolutely prohibited and subject to academic penalties (see the UNB Undergraduate Calendar on Academic Offences). In the case of private use by students with documented disabilities, the instructor's consent will not be unreasonably withheld.

About UNB Plagiarism Regulations

The University of New Brunswick places a high value on academic integrity and has a policy on plagiarism, cheating, and other academic offences. Plagiarism includes:

- Quoting verbatim or almost verbatim from a source (such as copyrighted material, notes, letters, business entries, computer materials, etc.) without acknowledgment;
- Adopting someone else's line of thought, argument, arrangement, or supporting evidence (such as, for example, statistics, bibliographies, etc.) without indicating such dependence;
- Submitting someone else's work, in whatever form (film, workbook, artwork, computer materials, etc.) without acknowledgment;
- Knowingly representing as one's own work any idea of another.

Examples of other academic offences include: cheating on exams, tests, assignments or reports; impersonating somebody at a test or exam; obtaining an exam, test or other course materials through theft, collusion, purchase or other improper manner; submitting course work that is identical or substantially similar to work that has been submitted for another course; and more as set out in the academic regulations found in the Undergraduate Calendar.

Penalties for plagiarism and other academic offences range from a minimum of F (zero) in the assignment, exam or test to a maximum of suspension or expulsion from the University, plus a notation of the academic offence on the student's transcript.

For more information, please go to the UNB Undergraduate Calendar, Section B: University Wide Academic Regulations, Subsection VIII: Academic Offences. It is the responsibility of students to know the regulations.