CS2033 – Software Design for Engineers

COURSE OUTLINE (Amended SEP-07 2014)
Section FR01A – 2014-15 (FALL)
http://www.cs.unb.ca/courses/cs2033

Lecture Times:	MWF 12:30-1:20
Lecture Room:	H214
Tutorials:	---
Labs:	T 2:20-5:00 in GWC112

Instructor:	D MacIsaac
Office:	ITD418
Office Hours:	M1:30, T8:30, W9:30
Email:	dmac@unb.ca tag with **{CS2033}**

Course Description [prerequisites: CS1023, ECE2412] [4ch]

An introduction to software Design and implementation in the context of a team design project emphasizing object-oriented programming and modularization for building reliable and reusable system components.

Attending Lectures, Labs and Tutorials

Students are responsible for all material presented and all announcements made in lectures. If you have to miss a lecture for any reason, it is your responsibility to obtain any information missed. **Only students who attend lectures and labs regularly will be allowed to seek additional assistance from instructors and teaching assistants during alternate hours.**

Use of mobile devices (cell phones, laptops, tablets etc.) during lectures is normally permitted for lecture-related activities only, and users may be required to terminate use if it becomes distracting to others.

Email Etiquette

You are enrolled in a professional program - remember that all communications must be conducted in a professional manner. Always use your UNB email address when emailing an instructor. For this class, the subject must contain the tag {CS2033}. Punctuation, spelling, and greetings must all be professional, and sign the email with your full name and student number. Unprofessional emails will not be acknowledged.

Marking Scheme

Team Design Project:	25%	(see instruction sheet for details)
Java Quizzes:	10%	Tuesday Oct 7th, Oct 21st, Nov 4th (in lab)
Lab Exam:	20%	Tuesday Nov 18th, 2014 (in lab)†
Midterm Examination:	15%	Wednesday Nov 5th, 2014 (in class)
Final Examination:	30%	TBA
Log Book up to:	-10%	

†Lab Exam Deferral Date: Tuesday November 25th

- Grades for team project work will take individual contributions into consideration. Your log book and peer assessments will be used to demonstrate contributions and your team project grade will be scaled by a peer-assessed weighting factor.
- Quizzes missed for legitimate reasons (illness, bereavement etc.) must be reconciled through extra weighting on the lab examination. No other reconciliation accommodations will be provided. If the lab examination is missed for legitimate reasons, students must make arrangements with the instructor to take the exam on the predefined scheduled deferral day.
- A midterm missed for legitimate reasons (illness, bereavement etc.) must be reconciled through extra weighting on the final examination. No other reconciliation accommodations will be provided. If the final examination is deferred, it will be written on the 4th day of classes in the following term. Both Midterm and final exam will be closed-book.
- Numerical Grade Conversion:

A+	90-100	B+	76-79	C+	60-69	D	40-49	F	<40
A	85-89	B	73-75	C	50-59				
A-	80-84	B-	70-72						

Academic Integrity

When working in teams, work submitted for grading may be distributed as agreed upon by all team members, but all members of a team are expected to contribute equitably and grades will be altered accordingly when evidence suggests sizeable discrepancies in contributions. Inequitable distribution of workload must be reported to the instructor before work commences, so that intervention can occur.

It is the responsibility of each student to understand and abide by regulations regarding general conduct as outlined in the UNB undergraduate calendar. **In this class, exploitation of a team member in any way, including inequitable distribution of work load, will be considered an infringement of your team member's right to respect.**

Details regarding plagiarism can be found **in the Appendix** of this document. It is your responsibility to ensure that you understand these details. If you do not, seek assistance from your instructor

Reference Materials

C Horstmann, Java for Everyone, John Wiley & Sons Inc, 2010. – recommended

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COURSE OUTLINE (appendix)
Section FR01A – 2014-15 (FALL)

Details Regarding General Student Non-academic Conduct

As outlined in the UNB undergraduate calendar, the Board of Governors of the University has approved a set of general regulations which aim to foster a university environment which is:

> *"…conducive to the development of the whole person, all members of the university community… have the right to work and/or study in an environment which affords them respect and dignity, and is free from danger, discrimination, harassment, intimidation, and behavior which is destructive, disruptive or unlawful".*

The university has defined standards of student behavior and made provisions for student discipline when they engage in conduct that is inconsistent with the principles laid out in the General Regulations. These regulations delineate explicitly that students are expected to:

1. abide by university regulations;
2. respect the integrity of University programs and activities;
3. acknowledge the diversity of the University community and the freedom of all members to participate in University programs and activities;
4. promote the peaceful and safe enjoyment of University facilities by other members of the University and public;
5. conduct themselves at all times in a manner that will reflect credit on themselves and the University

It is the responsibility of each student to understand and abide by regulations regarding general conduct as outlined in the UNB undergraduate calendar (General Regulations on Student Non-academic Conduct A-G). Serious cases of general misconduct will be reported to the university.

Details Regarding Plagiarism, Cheating and Academic Offences

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:

1. quoting verbatim or almost verbatim from any source, including all electronic sources, without acknowledgement;
2. adopting someone else's line of thought, argument, arrangement, or supporting evidence without acknowledgement;
3. submitting someone else's work, in whatever form without acknowledgement;
4. 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 see the Undergraduate Calendar, Section B, Regulation VII.A, or visit http://nocheating.unb.ca. It is the student's responsibility to know the regulations.

I, _____ as a student of CS2033 in the Fall of _____ have been made aware of the high value placed on academic integrity here at UNB and accept the terms of the policy on plagiarism as delineated above.

_____ _____
(signature) (date)

_____ (witness) _____
(signature) (date)