Foundations of Computer Science II

Instructor: Shaunak Pawagi, 1437 Dept. of Computer Science, email: cse213@ug.cs.sunysb.edu
Office Hours: Mon, Wed 1 - 2pm. Also by appointment, Phone: 632-9820.

Prerequisites: CSE 113 (C or better) or passing its proficiency exam.

Textbook: "*Discrete Structures, Logic and Computability*" by James Hein Jones and Bartlett, second edition, 2002. ISBN(10 digit): 0-7637-1843-2 Publisher's web address is www.jbpub.com

Web Address: Web page for the course is at www.cs.sunysb.edu/~cse213 All announcements, homework, programming assignments, and their solutions will be posted on this page. **This is not on the same server used by Blackboard.**

Blackboard: We will use blackboard only for **discussion** of course related issues, homework assignments and exams. Post your questions here, and our TAs will answer them.

Course Outline: CSE 213 is a 3 credit continuation to the conceptual and mathematical foundations of Computer Science that we developed in CSE 113. The primary emphasis of this course is to develop strong theoretical framework for subsequent courses in Computer Science curriculum. Topics include sets, equivalence relations, partial orders, finite state automaton, construction techniques for formal languages including grammars and inductive definitions, advanced proof techniques based on predicate logic and well-founded induction.

Course Grades: Course grades will be based on two midterm exams (19-20% each), a cumulative Final (40%), 3 quizzes (9-10%), homework assignments (10%), recitations (0-2%) These weights are approximate. *Incomplete* (I) grades will **not** be given in CSE 213 except in the most extraordinary cases. P/NC option is not available for this course.

Grading process: Before the actual letter grades are determined using the above weights, a preliminary curve will be made using only exams and quizzes. Here quizzes will be worth 9%, each midterm will have 23% weight, and final will be worth 45%. This curve will be used to determine who are eligible to get a grade of C or above. This means it is essential that a student passes all exams and quizzes at a certain level of competence. This does not mean that a student can easily pass without doing homework assignments. For example, if a student does well on exams he or she would be eligible, but may fail the course when grades for homework are taken into account. Also, a student who gets a grade of C or better after all grades are taken into account, may fail the course if he/she did not pass exams at a certain level. In such a case, letter grade will be lowered to a D or D+ respectively.

Re-grading: For re-grading of an assignment or exam, please meet with the person (instructor or teaching assistant) responsible for the grading. Please try to arrange a re-evaluation within **one week** of receiving the graded work. All such requests that are later than one week from the date the graded work is returned to the class will **not** be entertained.

Academic Dishonesty: You are encouraged to discuss the intellectual aspects of assignments with other class participants. However, each student is responsible for formulating solutions in his or her own words. A student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Any suspected instance of academic dishonesty will be reported to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/

Academic Dishonesty Penalty: Students who submit the same or suspiciously similar assignments will receive a grade of zero on the particular assignment and have their final course grade reduced by one letter grade. In addition, the College of Engineering & Applied Sciences has formal procedures to handle cases of academic dishonesty.

Disability: If you have a physical, psychological, medical or learning disability that may impact on your ability to carry out assigned course work, I would urge that you contact the staff in the Disabled Student Services office (DSS), Room 128 ECC, 632-6748/TDD. DSS will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation of disability is confidential.