

## CSI 350 – Theory of Computation – Fall 2009

**Instructor:** Dr. Shaun D. Ramsey   **Email:** sramsey2@washcoll.edu  
**Phone:** (410)810-7485               **Office:** DUNN N102  
**Office Hours:**                       DUNN N102 MW 10:30-11:20  
                                                  and T 10:30-11:20

**Primary Text:** Intro to Theory of Computation by Goddard  
**Website:** <http://shaunramsey.com/class/11FALL/350.html>

**Overview and Topics:** Theory of computation is the study in the fundamentals of computer science. A computer scientist should understand the notions of tractable, intractable, and complexity before attempting to tackle any problem. By first examining simple languages and building up to higher languages, we develop a method of understanding complexity and proofs in this course.

**Advising and Prerequisites:** Prerequisites for this course are CSI 240 and CSI 202. Most importantly is the ability to think logically. Knowledge of discrete mathematics, implications, sets, and proof techniques will be valuable in this course.

**Exams:** Tentatively, exams will be held on 9/20, 10/20 and 11/17. The final exam will be administered during its scheduled slot during final exam week. An absence on the day of an exam will result in a grade of a 0. Except in cases of extreme emergency, exams must be taken on the day the exam is administered. Before a make-up test is scheduled, documentation of the extreme emergency must be given. Make-up exams for tests missed due to an extreme emergency will be arranged for a time that is mutually convenient for the student and Dr. Ramsey.

**Attendance:** Attendance is mandatory in this course. On your sixth absence, you automatically fail the course. As a matter of courtesy, you are expected to notify Dr. Ramsey before class describing the reason of your absence. You must be present on the day of an exam or you will receive a 0.

There is no distinction between excused and unexcused absences. It is quite likely that I will email you to discuss the reasons you have missed the class, but it is ultimately your duty to keep track of your absences. Missing

a class may result in missed classwork and/or quizzes. There are no make-up quizzes or classwork. It is your responsibility to obtain assigned homework, announcements and class notes from a classmate.

**Grading:** Your grade consists of three exams, one final exam, and assignments. You must pass each exam and have a passing average on assignments to pass the course. Each exam (and final) is worth 20% of your final grade. Coursework/quizzes/homework comprises the last 20% of your final grade. Attendance can have an affect on your final grade.

**Assignments and Programming:** Assignments largely consist of assignments completed outside of class, but may include other assigned tasks inside class. For example, quizzes, oral presentations during class and specific written assignments outside of class. Late homework will receive half credit until the solution is given after which it is worth no credit. Assignments are due at the beginning of class on the assigned due date.

**Academic Honesty:** You are always subject to the Honor Code of Washington College. You may discuss concepts with others, but work is to be done on your own (unless otherwise designated). If you are unsure if something is considered *cheating*, simply ask. As always, if you have questions, feel free to email or stop by my office.

**Accommodations:** If you have a special accommodation/need that has been reported to the college, please let me know discretely during the first week, so that I can work to meet your accommodation.