

## Syllabus

### 1 Basic Information

**Credits:** Four semester hours.

**Class Meeting Times:**

Instructor	Days	Start Time	End Time	Room
Harriet Fell	Mon/Wed/Thu	4:35pm	5:40pm	108 WVH
Javed Aslam	Mon/Wed/Thu	1:35pm	2:40pm	102 WVG

**Recitation Meeting Times:**

Instructor	Day	Start Time	End Time	Room
Fell/TA	Wed	6:00pm	7:40pm	TBA
Aslam/TA	Tue	3:25pm	5:05pm	110 WVH

**Prerequisites:** High school algebra and precalculus.

**Corequisite:** CSU211 *Fundamentals of Computer Science*

**Who should take this class:** Computer and Information Science freshman who are not currently taking a precalculus course; transfer students who have not yet fulfilled this requirement.

**Text:** A collection of handouts in draft text form is available for purchase at the bookstore.

**Website:** <http://www.ccs.neu.edu/course/csu200/06F/>

### 2 Teaching Staff

**Professors:**

Instructor	Office	Phone	E-mail
Harriet Fell	340 WVH	x2198	<a href="mailto:fell@ccs.neu.edu">fell@ccs.neu.edu</a>
Javed Aslam	338 WVH	x8169	<a href="mailto:jaa@ccs.neu.edu">jaa@ccs.neu.edu</a>

**Teaching Assistants:**

Teaching Assistant	Office	Phone	E-mail
Ana Maria Visan	370 WVH	x7127	<a href="mailto:amvisan@ccs.neu.edu">amvisan@ccs.neu.edu</a>
Vlad Slavici	370 WVH	x7127	<a href="mailto:vslav@ccs.neu.edu">vslav@ccs.neu.edu</a>

**Peer Tutors:** TBA

**Office Hours:** TBA

### 3 Course Goals

This course introduces the mathematical structures and methods that form the foundation of computer science. The material will be motivated by applications from computer science. Students will learn: (1) specific skills, e.g., binary and modular arithmetic, set notation, etc.; (2) general knowledge, e.g., counting, proof, and analysis techniques; and (3) how to think, e.g., general problem solving techniques.

### 4 Expectations of Students

We expect that you will study with friends and often work out problem solutions together, but you must write up your own solutions, in your own words. Cheating will not be tolerated. Professors, TAs, and peer tutors will be available to answer questions but will not do your homework for you. One of our course goals is to teach you how to think on your own.

We expect your homework to be neat, organized, and legible. If your handwriting is unreadable, please type. We will *not* accept pages that are ripped from a spiral notebook. Please use 8.5in by 11in loose-leaf or printer paper.

Assignments are expected to be turned in on time. Late assignments will be penalized by 50%. If you have a valid excuse for turning in a late assignment, you should let us know, in writing, in advance. If you are sick at the time of an assignment or exam, let us know as soon as possible so we can make other arrangements.

If a student misses a class, it is his or her responsibility to get the notes from a classmate (arrange this in advance if possible), go over them, and then if necessary come to the course staff with questions.

### 5 Assignments and Exams

There will be on-line homework assignments, written homework assignments, three hour exams, and a cumulative final. Your grade will be computed as follows:

<b>on-line homework</b>	10%
<b>written homework</b>	15%
<b>hour exams</b>	45%
<b>final exam</b>	30%