

Syllabus

1 Basic Information

Credits: Four semester hours.

Class Meeting Times:

Instructor	Days	Start Time	End Time	Room
Javed Aslam	Mon/Wed/Thu	10:30am	11:35am	019 INV
Rajmohan Rajaraman	Mon/Wed/Thu	1:35pm	2:40pm	033 SL

Recitation Meeting Times:

Section	Instructor	Day	Start Time	End Time	Room
1	Peter Golbus	Tue	9:50am	11:30am	159 RY
2	Simona Boboila	Tue	11:45am	1:25pm	154 RY
3	Simona Boboila	Tue	1:35pm	3:15pm	140 DG
4	Peter Golbus	Fri	9:50am	11:30am	156 RY
5	Katelyn Berry	Fri	11:45am	1:25pm	154 RY
6	Katelyn Berry	Fri	1:35pm	3:15pm	001 SL

Prerequisites: High school algebra and precalculus.

Corequisite: CS2500 *Fundamentals of Computer Science I*

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 preprint of our textbook “Discrete Structures” by Harriet Fell & Javed Aslam is available at the bookstore.

Website: <http://www.ccs.neu.edu/course/cs1800/>

2 Teaching Staff

Professors:

Instructor	Office	Phone	E-mail
Javed Aslam	338 WVH	x8169	jaa@ccs.neu.edu
Rajmohan Rajaraman	240 WVH	x2075	rroj@ccs.neu.edu

Teaching Assistants:

Teaching Assistant	Office	Phone	E-mail
Katelyn Berry	208 WVH	x2495	kberry2@ccs.neu.edu
Simona Boboila	370 WVH	x7127	simona@ccs.neu.edu
Peter Golbus	472 WVH	x4605	pgolbus@ccs.neu.edu

Peer Tutor:

Peer Tutor	Office	E-mail
TBA	TBA	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, two midterm exams, and a cumulative final. Your grade will be computed as follows:

on-line homework	15%
written homework	15%
weekly quizzes	15%
midterm exams	30%
final exam	25%