Mathematics for Computer Science
6.042J/18.062J

WELCOME!....

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Mathematics for Computer Science
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Quick Summary

1. Fundamental Concepts of Discrete Mathematics (*sets, relations, proof methods,…*)
2. Discrete Mathematical Structures (*numbers, graphs, trees, counting…*)
3. Discrete Probability Theory

Vocabulary

Quickie:

What does "discrete" mean?

(≠ "discreet")

Stellar Web site

- notes, handouts
- class calendar
- course organization
- problem submission

https://stellar.mit.edu/S/course/6/sp15/6.042/

Reading Assignment

Readings & online problems in class calendar on Stellar due starting Friday

MITx site: 6.042r

Register for session assignment by Friday midnight (find link on Stellar)

site has videos, slides, online questions

How the Class Works

Active learning in Teams

MWF 1.5 hour sessions: team learning through problem-solving.

Teams of 6—8 students with Team Coach.

How the Class Works

- required attendance
- psets due most Fridays
- videos, online problems most days
- 3 midterms, 80 min. each
- comments in Piazza (optional)

Teamwork

The good about teams:

- an efficient way to learn
- fun
- like professional organizations
- learn to communicate
- cope with diversity

…USUALLY

Teamwork

The bad about teams:

- must be there prepared!
- unremitting

and sometimes:

- very strong are slowed down
- very weak left behind
- deal with unpleasant people

Teamwork

Your team coach will be working to bring out the good and control the bad (your instructor too)

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