

CSCI-4260/MATH-4150: Graph Theory

Course Overview

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Spring 2020

Welcome to Graph Theory!

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About me

- ▶ 4th year at RPI
- ▶ 4th time teaching graph theory
 - ▶ Still experimenting with how to best teach and evaluate with the given material
- ▶ Research interests: parallel graph algorithms, general graph analytics, high performance and scientific computing
 - ▶ Usually more “applied” than “theory” but here I am anyways
 - ▶ More applied (and new!) course: Graph Mining
- ▶ Other interests: skiing, climbing, ultimate

About the course

“Dull, but easy.” – Reddit

“Too much theory.” – CS majors

“Too many algorithms.” – Math majors

About the course

(see syllabus on the website for more information)

- ▶ The course is a combination of pure graph theory and graph algorithms
 - ▶ Enough theory to annoy CS majors. Enough algorithms to annoy math majors.
- ▶ Website:
 - ▶ <http://www.cs.rpi.edu/~slotag/classes/SP20t/index.html>
- ▶ Textbook:
 - ▶ Introduction to Graph Theory - 2nd Edition by Douglas B. West
 - ▶ Available in bookstore, Amazon, "etc."
- ▶ Schedule:
 - ▶ Please see website for up-to-date info

Your grade

(where it will come from)

- ▶ 20% – Homeworks: bi-weekly problem sets, covering the upcoming material
 - ▶ Submit via Submittity
- ▶ 10% – Quizzes: weekly in-class problems, covering the prior week's material
 - ▶ open-book/laptop/notes/neighbor, on Thursdays
- ▶ 30% – Midterm: ~halfway through the course (March 5)
 - ▶ closed everything, in-class
- ▶ 40% – Final: during finals week, comprehensive
 - ▶ closed everything, time/date TBD

FAQs

The class is full. Can you sign my form?

- ▶ Yes.

I missed the quiz last week due to (reason), can I take it now?

- ▶ Yes. As long as (reason) was a school/department approved absence.

I'm going to miss the upcoming exam due to (reason). Can I schedule to take it during your or the TA's office hours?

- ▶ Yes. As long as (reason) is a school/department approved absence.