

Math 8540 — Spring 2024 — Goddard

## Graph Theory

TΘ 9:30–10:45; Martin E-004

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**Office Hours.** By appointment. (Zoom or in-person.)

**Goal.** To learn the basics of graph theory and the methods to solve such problems.

**Content.** Trees, distance, matchings, connectivity, paths, colorings, planar graphs, cycles.

**Grade.** Your final Numerical mark will be determined by:

- Assignments: 40%
- Your best two grades (counting 30% each) out of Test 1, Test 2, and Cumulative final.

Course does not use plus/minus grading. The cut-off for an A will be 89.5; for a B 80, and for a C 70.

**Assignments.** These will typically include problems with a range of difficulties.

**Tests and Final.** In-person and closed book. Tuesday 2/20, Thursday 4/4, and Wednesday 5/1 8am.

**Notes/Text.** Slightly Recommended is: West, Introduction to Graph Theory, Second Edition. Handouts will be archived at [people.computing.clemson.edu/~goddard/handouts/math8540](http://people.computing.clemson.edu/~goddard/handouts/math8540).

**For more rules and regulations, see separate handout.** In particular, note academic honesty policy.