

# Syllabus

## General Info

**Course** MAT461 Advanced Seminar: Graph Theory

**Instructor** Charilaos Skiadas (skiadas at hanover dot edu)

**Term** Winter 2017-2018

**Office** SCH 121C / LYN 108

Office Hours ~

**Book** *A first course in Graph Theory*, G. Chartrand and P. Zhang

**Websites** for notes<sup>1</sup>.

**Class times** TR 10:00am-11:45am in CFA 111

## Course Description

TODO

## Course Components

### Reading Notes

On the website you will find a schedule<sup>2</sup> with links to documents for each class day. In those documents you will find notes for the day's lesson, and reading assignments. You are expected to do the reading *before* class.

### Class Attendance And Participation.

You are expected to attend every class meeting. You are only allowed to miss 3 classes without excuse. From that point on, every unexcused absence will result in a reduction of your final score by one percentage point, up to a total of 5 points. Excused absences should be arranged in advance, and backed by appropriate documentation. Emergencies will be dealt with on an individual basis. There are very few reasons that would qualify as an excuse for an absence. During each class day you will be working on and submitting activity sheets, which will be scored as your class participation grade.

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<sup>1</sup>[skiadas.github.io/AlgorithmsCourse/site/](http://skiadas.github.io/AlgorithmsCourse/site/)

<sup>2</sup><http://skiadas.github.io/GraphTheoryCourse/site/schedule.html>

## Homework Assignments

There will be regular written assignments, about once a week, in addition to numerous practice problems that you are expected to work on. Homework assignments will count for 20% of the final grade.

## Exams

TODO

There will be two midterms, tentatively scheduled for TODO and TODO, and a final during finals week. **You have to be here for the exams.** If you have conflicts with these days, let me know as soon as possible. Do not plan your vacation before you are aware of the finals schedule.

## Getting Help

- You should never hesitate to ask me questions. I will never think any less of anyone for asking a question. Stop by my office hours or just email me your question, which has the great benefit of forcing you to write it down in clear terms, which often helps you understand it better.
- You are allowed, and in fact encouraged, to work together and help each other regarding the notes and the the theory. You can also discuss general questions about the programming assignments. But I expect you to work on the programming assignments on your own.

## Grading

Your final grade depends on class attendance, homework, midterms and the final, as follows:

| Component       | Percent |
|-----------------|---------|
| Participation   | 10%     |
| Assignments     | 15%     |
| Lowest Midterm  | 15%     |
| Middle Midterm  | 20%     |
| Highest Midterm | 25%     |

This gives a number up to 100, which is then converted to a letter grade based roughly on the following correspondence:

| Letter grade | Percentage Range |
|--------------|------------------|
| A, A-        | 90%-100%         |

| Letter grade | Percentage Range |
|--------------|------------------|
| B+, B, B-    | 80%-90%          |
| C+, C, C-    | 70%-80%          |
| D+, D, D-    | 60%-70%          |
| F            | 0%-60%           |