

Graph Theory, MAD 3305

Summer A 2018

Instructor: Xiaosheng Li

Lecture Time and Location: TuTh 2:40pm – 6:00pm CBC142

Office Hour: MWF 12:00pm – 12:30pm, TuTh 2:00pm – 2:30pm, or by appointment

Office: DM 419C

Email: xli@fiu.edu

Textbook:

Graph Theory by Ronald Gould, Dover Publications, Inc. (2012).

Course Objective: To provide an introduction to the theory of finite graphs and their applications. Emphasis will be on both the theory and algorithmic techniques.

Course Plan:

Chapter 1: Section 1, 2, 3, 4, 5, 6

Chapter 2: Section 1, 2, 3, 4

Chapter 3: Section 1, 2, 3, 6

Chapter 4: Section 1, 2

Chapter 5: Section 1, 2, 3, 6

Chapter 6: Section 1, 2, 3

Chapter 7: Section 1, 2

Chapter 8: Section 1, 2, 5, 6

Prerequisite:

C or better in COP2210 and C or better in MAS3105 or MAD2104

Exam Schedule:

Quiz I: May 15 (Tuesday), 5:45pm – 6:00pm

Midterm: May 24 (Thursday), 4:00pm – 6:00pm

Quiz II: June 5 (Tuesday), 5:45pm – 6:00pm

Final : June 14 (Thursday), 4:00pm – 6:00pm (**Cumulative**)

Grading Policy:

Quiz I: 5% Quiz II: 5%

Midterm: 40% Final: 50%

Letter grades will be assigned approximately as follows (Total=100):

A	A-	B+	B	B-	C+	C	D	F
≥ 90	≥ 85	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 45	< 45

Important:

- No make ups are permitted. Please consult your calendar to be sure that you can take all exams and quizzes.
- All exams and quizzes are closed books. You will not be permitted to use calculators and formula sheets during exams and quizzes.
- Picture I. D. with signature is required and must be presented upon request for all exams and quizzes.
- The homework will not be collected for grading. But a good way to prepare for the exams and quizzes is to do the assigned problems.
- Deadline to drop a course with a DR grade: June 4 (Monday).

Helpful Information:

The math website lists various available help for students. Please visit <http://mathstat.fiu.edu/useful-information/> then click “Math Help for Students” in the left column.

Early Alert:

In an effort to help you succeed in your academic courses, FIU utilizes an Early Alert system. Instructors are now able to notify students academic advisors if there are concerns about class performance. If an alert is submitted, your academic advisor will send you a message via your Student Dashboard (accessed via your MYFIU page) to discuss ways to improve your performance. Please respond to any communication you receive from your academic advisor about an early alert. Our goal with this program is to help you to be successful by identifying any issues as early on as possible and working to address them.

The instructor reserves the right to make changes to this syllabus. These eventual changes, if any, would be announced in class and you are responsible to be aware of them.