Syllabus
Graph Theory
MATH 607
Fall 2016

Instructor Information
Instructor: Michael Young
Email: myoung@iastate.edu
Office: Carver 490
Office Hours: TW 9:00 – 10:00 am, and by appointment
Course Times: TR 12:40-2:00 pm
Course Webpage: www.math.iastate.edu/myoung/607

Teaching Assistants
Kevin Moss kmoss@iastate.edu Carver 417

Course Information
Course Times: TR 12:40-2:00 pm
Location: Gilman 2109
Credits: 3.0

Prerequisites: Experience with writing proofs beyond the undergraduate level.

Textbook:  
*Graph Theory* by Reinhard Diestel &  
*Introduction to Graph Theory* by Doug West

Learning Objectives: Students will state fundamental concepts and classical theorems in graph theory. They will combine methods learned from this course and practice them at new problems. Students will demonstrate their problem-solving skills through homework and exams.
Grading Criteria

Grading: Grades will be composed of homework, a presentation, a midterm and a final exam. The break down will be as follows:

50% Homework
20% Midterm
20% Final Exam
10% Presentation

Final grade cut offs will be determined at toward the end of the semester. The cut offs will be no higher than the following:
A 90%, B 80%, C 70%, D 60%.

Homework: Homework will be assigned on a nearly biweekly basis. It will primarily cover material that has been presented since the previous homework. The homework must be written in LaTeX with the provided template.

Exams: The midterm and the final will both be given in two parts. There will be a take home portion and an in class portion that will be weighted equally. The in class portion of the midterm will be on October 13 and the in class portion of the final exam will be determined by the registrar.

Presentations: During the week of November 28 and December 5, each student will give a 20 minute presentation on a graph theory topic that has not been covered in class. These topics should not be related to any past research projects done by the presenter. Project topics must ok’d by the instructor.

Make-up: Make-up work is allowed only in the following situations:

1. Student’s Medical Emergency – This requires signed documentation from a medical professional.

2. Family Emergency – This means serious illness or funeral in the immediate family. Appropriate documentation is required.

3. Official Representation of Iowa State at a Conflicting Event – Representation means that the student has been sent by some level of ISU administration, not by a student organization. Examples include varsity athletic events, marching band, etc. Talk to me if you have questions.

4. Required Military Service – This requires a signed copy of the orders, including dates of deployment.
5. Officially Mandated Court Appearance – This includes jury duty. Documentation is required.

Missed deadlines, exams, etc. under any other circumstances result in a score of zero.

**Academic Dishonesty:** Copying or collaboration on assignment or exam is a violation of the ISU Academic Dishonesty Policy. Any form of cheating will result in failing the course. Please review the University's policy on academic dishonesty at:

http://catalog.iastate.edu/academiclife/regulations/#academicdishonestytext

**Disability Accommodations:** If you have a disability and require accommodations, please contact the instructor early in the semester so that your learning needs may be appropriately met. You will need to provide documentation of your disability to the Disability Resources (DR) office, located on the main floor of the Student Services Building, Room 1076, 515-294-6624.

**Disclaimer:** The above dates, quantity of graded work, policies, and course layout are subject to change in the event of extenuating circumstances.