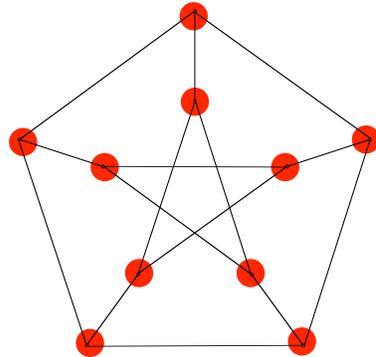


SYLLABUS

MAT 645

Spring

2017



Class Meetings: The class meets 2:00pm to 3:20pm, Tuesdays and Thursdays in room 200, Carnegie.

Description: Graph Theory is a very large branch of mathematics and it has many applications in the “real world.” In this course, we will try to cover the basics and still include several real-world applications.

Text: *Applied Combinatorics 6th Ed.* by Alan Tucker. We will cover the first 4 chapters supplemented by extensive lecture notes.

Instructor: Jack Graver

Office: 300C Carnegie

Office hours: 9:30am to 11:30am Monday & Wednesday.

However, I am generally in Monday through Thursday from 9:30 to 4:00 and you are welcome to stop by any time and, if I’m free, I’ll be glad to talk with you.

Extension: 1576.

Email: jgraver@syr.edu.

The grades in the course: will be based on take-home problem sets (60%) and in-class tests (40%). The final exam is optional and can only improve on the grade as computed above.

The Final Exam: Tuesday, May 9 from 10:15am to 12:15pm.

Note to the Class: The text is the for our senior-level graph theory and combinatorics course. Most of the most important theorems are included here, but some of the more difficult ones are not proved in the text. I will be filling in the proofs, often in a more general theoretical setting, and including a good bit of additional material. We will use the same text for MAT 646 in Spring 2018 and is a good reference for the graph theory and combinatorial results that used in other areas of mathematics and computer science.

University Required Inclusions

Students with Disabilities: If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), <http://disabilityservices.syr.edu>, located in Room 309 of 804 University Avenue, or call 315-443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible coordinating disability-related accommodations and will issue students with documented Disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations.

Academic Integrity: The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see <http://academicintegrity.syr.edu>

Religious observances policy: SU religious observances policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to are religious observance provided they notify their instructors before the end of the second week of classes. For fall and spring semesters, an online notification process is available through MySlice (Student Services → Enrollment → My Religious Observances) from the first day of class until the end of the second week of class.