CSC/MA/OR 565-001 - Spring 2018

GRAPH THEORY
Tuesday, Thursday 8:30-9:45 am, room 2207 EB3

Instructor:
Dr. Carla Savage
3262 EB2, 515-7863
savage@ncsu.edu
http://www.csc.ncsu.edu/faculty/savage/

Text


Syllabus

The course will cover material from Chapters 1-7 in the text, and, if time allows, some additional topics from Chapter 8, such as Ramsey theory and eigenvalues of graphs. A tentative syllabus is posted on the course web page.

Background Required

Linear Algebra and Discrete Mathematics (prerequisites)
Proof techniques, induction, logic, generating counterexamples

Grading

**Homework (25%)**:

- 5-7 assignments, to be typeset, preferably in LaTeX.

**Quizzes, Classroom Activities, Class Participation (25%)**

**Exams**:

- Midterm Exam: Thursday, February 22 (25%)
- Final Exam: Thursday, May 3, 8:00 - 11:00 a.m. (25%)

Expectations Regarding Class Attendance and Participation

- Attend class, be punctual.
- Participate in class activities, discussions, and question and answer sessions.
- Participate in and contribute to course message board discussions.
- Be considerate of others.
- Refrain from engaging in distracting behavior (chatting, texting, email, web surfing, or using computers for any use not directly related to the class activities)

Requirements for Auditors

We will not be enrolling any auditors this semester.
Course Web Page

Course information, syllabus, assignments, announcements, useful links, etc. will be posted on the course web page

http://courses.ncsu.edu/csc565/lec/001/

Academic Integrity Statement

The instructor of this course is committed to upholding the University policy on academic integrity, described in the Code of Student Conduct which can be found at:

http://policies.ncsu.edu/policy/pol-11-35-01

Students will be required to sign the honor pledge on each exam: “I have neither given nor received unauthorized aid on this test”.

The honor policy for homework assignments is spelled out for each individual assignment.

Any suspected case of academic integrity violation will be reported to the Director, Office of Student Conduct.

NC State Policy on Working with Students with Disabilities

“Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with Disability Services for Students at 1900 Student Health Center, Campus Box 7509, 515-7653. For more information on NC State’s policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation (REG02.20.01)”

http://policies.ncsu.edu/regulation/reg-02-20-01

Trans-inclusive Statement

In an effort to affirm and respect the identities of transgender students in the classroom and beyond, please contact me if you wish to be referred to using a name and/or pronouns other than what is listed in the student directory

Weather

In case of snow, hurricane, or hazardous winter driving conditions, class will probably be cancelled. Information on cancellations will be posted on the course web page.