MA/CSC 416: Introduction to Combinatorics
Spring 2017

Location:
SAS 2106
MWF 10:40–11:30

Instructor:
Ricky Liu
riliu@ncsu.edu
SAS 3264

Office hours:
MW 11:30–12:30 (tentative) or by appointment

Prerequisites:
MA 225 or CSC 226

Required textbook:

Course webpage:
http://www4.ncsu.edu/~riliu/416
The course webpage contains useful information about the course, including the syllabus, assignments, and schedule (tentative).

About the course:
Basic principles of counting: addition and multiplication principles, generating functions, recursive methods, inclusion-exclusion, pigeonhole principle; basic concepts of graph theory: graphs, digraphs, connectedness, trees; additional topics as time permits.

Grading:
Grades will be based on in-class work (10%), homework (30%), one midterm (25%), and a final exam (35%).

Homework:
Homework will be assigned roughly weekly, due at the beginning of class. Late assignments will not be accepted. Collaboration is allowed, but you are expected to write up your solutions independently. Use of outside resources is not allowed. (Violation of these rules will result in a 0 on the assignment and possible disciplinary action.)

Exams:
There will be one midterm held in class on Friday, March 3. The final exam will be held on Monday, May 1 at 8–11 am in the same classroom.
Attendance:
Students are expected to attend every course meeting. No accommodations for missed assignments or exams will be made except as described by NC State regulations at http://policies.ncsu.edu/regulation/reg-02-20-03.

Academic integrity:
Students are expected to follow the ethical standards described by the Code of Student Conduct policy and Pack Pledge at http://policies.ncsu.edu/policy/pol-11-35-01 with respect to completion of homework assignments and exams.

Statement for 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 the Disability Services Office at Suite 2221, Student Health Center, Campus Box 7509, 919-515-7653. For more information on NC State’s policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation at http://policies.ncsu.edu/regulation/reg-02-20-01.

N.C. State Policies, Regulations, and Rules (PRR):
Students are responsible for reviewing the NC State University PRR’s located at http://oucc.ncsu.edu/course-rights-and-responsibilities which pertains to their course rights and responsibilities.