**Math 3134 – Applied Combinatorics**

15494  M W F 1:25-2:15pm  MCB 318

**Instructor:** Jennifer Wise  
**Office:** 410 McBryde Hall  
**Phone:** (540) 231-3316  
**E-mail:** jwise@vt.edu (please write Math 3134 in the subject)  
**Course Website:** on Canvas  
**Optional Textbooks:** See Canvas  
**Office hours** (in 410 McBryde Hall): Tuesday 10-11:30am, Wednesday 4-5pm, and Thursday 10:30-noon or by appointment, as necessary

**Prerequisites:** MATH 1206 and either MATH 2534 or MATH 3034

**Course Content:** This course covers topics in graph theory, counting, recurrence relations, and its applications.

**Grading Criteria:** Read this carefully! Your final grade in this course is based on the following work:

- Three Midterms 20% each (60% total)  
- Final Exam 20%  
- Homework and Quizzes 20%

Letter grade scale: A score of 90% will guarantee at least an A−, an 80% at least a B−, a 70% at least a C−, and a 60% at least a D−.

All graded work should be kept until the course is over. Scores and grades are posted on Canvas. Any appeals for points, partial credit, incorrect score, missing scores on Canvas, etc., should be brought to my attention within a week from the time the assignment is returned. Even if you are unable to pick up your assignment during the class in which it was returned, it is your responsibility as a student to pick up assignments from me in a timely manner to address any grading questions you have.

**Midterms:** There will be 3 midterm exams. The midterm exams will be during our regularly scheduled class meeting days, times, and locations. Midterm exams are tentatively scheduled for February 15, March 22, and April 19, but these dates are subject to change. You must take exams on the specified date. In general, makeup exams will not be given. If a student misses an exam for reasons that are serious, unavoidable, and beyond the students control, the situation will be handled on an individual basis provided appropriate documentation is provided. All tests are closed book (no calculators, computers, phones or other handheld devices, formula sheets, notes, etc.).

**Final Exam:** There will be a comprehensive final exam scheduled for Tuesday, May 9, 3:25-5:25pm. The final exam is a required class meeting that will not be rescheduled for discretionary reasons, including conflicts with work schedules, conflicts with classes and exams at other colleges, and travel plans.

**Homework:** There will be written homework assigned on Canvas. Written homework will be checked for completeness (legitimate attempts must be made for each assigned problem; simply
rewriting the problem and putting a question mark or inapplicable work beside it does not count
as a legitimate attempt) and then some random problem(s) will be graded for correctness.

Late homework will not be accepted except in cases of excused absence. The lowest homework
grade will be dropped.

**Attendance Policy:** Students are responsible for all announcements made in class. Students are
also responsible for information delivered via Canvas or email. An unexcused absence from a quiz
or exam results in a zero for that assignment; excused absences require documentation.

**Honor Statement for Math 3134:**
All tests and assignments will be completed independently and without access to any resources in
accordance with the university honor code and will be pledged. For graded homework assignments,
you may discuss solutions with other students, but each student must do individual, independent
write-ups to turn in. Copying of solutions or parts of solutions from any source is a violation
of the honor code, as is sharing your solutions with others. Specifically, this policy prohibits the
revising, rephrasing, or inclusion of work from any source prepared by anyone other than the student
himself/herself.

The Undergraduate Honor Code pledge that each member of the university community agrees to
abide by states:

“As a Hokie, I will conduct myself with honor and integrity at all times. I will not lie, cheat, or
steal, nor will I accept the actions of those who do.”

Students enrolled in this course are responsible for abiding by the Honor Code. A student who has
doubts about how the Honor Code applies to any assignment is responsible for obtaining specific
guidance from the course instructor before submitting the assignment for evaluation. Ignorance of
the rules does not exclude any member of the University community from the requirements and
expectations of the Honor Code.

For additional information about the Honor Code, please visit: [https://www.honorsystem.vt.edu/](https://www.honorsystem.vt.edu/)

**Accommodations:** I really do want to make it possible for you to succeed. You are encouraged to
bring to my attention any reasonable need or accommodation (including disability accommodations
and religious holidays) that will help you.

**Classroom Courtesy:** You and your classmates are here to learn, and that happens best in an
atmosphere of mutual respect with freedom from distractions and disturbances. All of us should
abide by the Virginia Tech Principles of Community.

**From the Math Dept:** If you are not on the class roll that comes out after the last add date,
immediately check your schedule and start attending the proper section. For no foreseeable reason
will you be allowed to stay in the wrong section or to drop a section for which you are actually
enrolled after the last drop date. By simply attending a section you will not be placed on its roll.