COURSE POLICY
Math 3134 · Applied Combinatorics · Fall 2015
CRN 84565 MWF 10:10 - 11:00am McBryde Hall 233
CRN 84568 MWF 11:15 - 12:15pm McBryde Hall 233

Instructor: Jessica Hurdus
Email: jmhurdus@vt.edu
Office: 447 McBryde Hall
Phone: (540) 231-5162
Office Hours: MW 2-3pm; TR 1:30-2:30pm
• Other hours by appointment.
• If you need additional help beyond office hours, you may hire a private tutor by sending an email to math_tutors-g@vt.edu indicating your specific needs.

Homepage: www.math.vt.edu/people/jmhurdus

Text: Applied Combinatorics, 6th Edition by Alan Tucker

Prerequisites: (Math 1206 or Math 1226) and (Math 2534 or Math 3034)

Catalog Description: Emphasis on concepts related to computational theory and formal languages. Includes topics in graph theory such as paths, circuits, and trees. Topics from combinatorics such as permutations, generating functions, and recurrence relations.

Course Content: We will cover sections from chapters 1-8 of the text.

Scholar: https://scholar.vt.edu
The course policy, individual assignment grades, and other materials essential to this course can be found on our class Scholar site.

Grading
Your final grade in the course is based on the following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tr>
<td>Quizzes</td>
<td>20%</td>
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<td>Exams</td>
<td>60% (20% each)</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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Mathematics is about communication, not just computation. All written work will be graded for clarity and thoroughness, not simply correctness. In fact, no credit should be expected if no work or explanation is shown (unless this is explicitly stated as acceptable). A 90% will guarantee an A-, 80% a B-, 70% a C-, 60% a D-. Plus and minus grades will be assigned at my discretion.

Appeals: Specific grading disputes (points totaled incorrectly, partial credit appeals, missing assignments on Scholar, etc.) should be brought to my attention within 1 week of return of the assignment. Appeals outside of this timeframe will not be considered.

Homework and Quizzes
Homework will be posted on Scholar after each class and is assigned for your benefit: it shows what you are expected to know and provides an opportunity to practice.

Several in-class quizzes will be given throughout the semester. Take-home quizzes may also be given. In-class quizzes will be closed-book, but open-note and open-homework. Most of the questions on these quizzes will be taken from or very similar to the assigned homework.
The best way to prepare for quizzes is to do the homework. You are encouraged to work together on homework assignments; however, you must write up solutions on your own and copying is not permitted. You may not work together on in-class or take-home quizzes unless noted otherwise. Make-up quizzes will not be given. To account for this, I will drop your lowest two quiz scores.

Exams
There will be three exams during the semester and a final exam. A missed exam will result in a zero score. In the event that an exam is missed for reasons that are serious, unavoidable, and beyond the student’s control, the situation will be handled on an individual basis. Exceptions generally will be considered only if I am notified prior to the missed exam (if possible) and if appropriate documentation is received within three days of the missed test date.

The final exam for CRN 84568 (11:15 class) will be from 3:25-5:25pm on Monday, December 14. The final exam for CRN 84565 (10:10 class) will be from 7:45-9:45am on Wednesday, December 16.

Attendance and Communication
Class attendance will be taken daily. Students are responsible for all course content and announcements from in class. Students are also responsible for information delivered via Scholar or email. If you miss class for any reason, it is your responsibility to get the notes from a classmate and review them carefully, as well as reading the relevant pages in the textbook.

Virginia Tech Honor Code
All students are expected to abide by the Virginia Tech Honor Code. A student who has doubts about how the Honor Code applies to any assignment is responsible for obtaining specific guidance from the instructor before submitting the assignment for evaluation. All assignments submitted are considered “graded work” and all aspects of your coursework are covered by the honor system. All assignments are to be completed individually unless otherwise specified. Honesty in your academic work will develop into professional integrity. Violations of the Honor Code include, but are not limited to, the following:

1. **Cheating** includes the actual giving or receiving of any unauthorized aid or assistance or the actual giving or receiving of any unfair advantage on any form of academic work, or attempts thereof.
2. **Plagiarism** includes the copying of the language, structure, ideas and/or thoughts of another and passing off same as one’s own, original work, or attempts thereof.
3. **Falsification** includes the statement of any untruth, either verbally or in writing, with respect to any circumstances relevant to one’s academic work, or attempts thereof. Such acts include, but are not limited to, the forgery of official signatures, tampering with official records, fraudulently adding or deleting information on academic documents such as add/drop requests, or fraudulently changing an examination or other academic work after the testing period or due date of the assignment.

Accommodations
If you need adaptations or accommodations because of a documented disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.

Caution
If you are not on the official class roll, you are not in the class. It is your responsibility that you are properly enrolled in the class section you attend. It is easy to verify. For no foreseeable reason (computer and/or registrar personnel mistakes included) will you be allowed to stay in the wrong section. Your work will not be graded. Simply attending a section will NOT entitle you to be placed on its roll.