Instructor: Dr Larson
Office: 4106 Harris Hall
Phone: 828-5576
Email Address: clarson@vcu.edu
Web page: www.people.vcu.edu/~clarson, and Blackboard for grades.
Office Hours: 12:00-1:00 MWF

Prerequisite: Graduate Standing, or Math 300, 356 and 310


Software: Each student is required to sign up for a $9 one semester student subscription to Cocalc (cocalc.com).

Course Description: An Introduction to graph classes, graph invariants, graph algorithms, graph theoretic proof techniques and applications.

Expectations:

- You are expected to attend class, complete homework, and ask questions during class or office hours.
- Communicating mathematics is integral to the creation and transmission of mathematics. You should give significant thought as to how to explain your homework solutions to the class.
- I encourage you to work with others on homework problems, however, any assignments to be turned in must be written up on your own. If you work with others, you must write who you worked with on your assignment.
- Please write neatly on all assignments to be graded; exceptionally messy work may not be graded.
- Only selected homework problems will be graded; other problems will be graded for completion.
- There are no make-ups on in-class assignments. I will drop your three lowest in-class assignments, assuming that you couldn’t come to class for excusable reasons.
- Make up tests will be considered under exceptional circumstances: if you miss a test and want to be considered for a make-up, you must contact me immediately.

Tests and Determination of Grades:

There will be 2 equally weighted tests. Here is the tentative schedule:

Test #1 (Midterm), Tues., Oct. 24
Test #2 (Final), Tues., Dec. 12, 1:00-4:00.

- The tests are closed-book and closed-notes.
- The tests will be based on the in-class assignments and assigned homework.
- Use of calculators or other computing technology is not allowed on the tests.
- Tests are written under the assumption that you are studying the material at least 6 hours per week outside of class.
Your final average will be computed as follows:

- **Test 1, 2:** 20% each
- **Homework:** 35%
- **In-class assignments:** 25%

**Grade Scale:** The 10-point scale: 90-100 A, 80-89 B, etc.

**Important Dates to Know:**
- *Reading Days:* Oct. 19-20
- *Classes end,* Sat., Dec. 9

**Statement on Americans with Disabilities Act:**
Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 require Virginia Commonwealth University to provide an 'academic adjustment' and/or a 'reasonable accommodation' to any individual who advises us of a physical or mental disability. If you have a physical or mental limitation that requires an academic adjustment or an accommodation, please arrange a meeting with me at your earliest convenience. Additionally, if your course work requires you to work in a lab environment, you should advise the instructor or department chairperson of any concerns you may have regarding safety issues related to your limitation(s). The VCU Disability Support Services website is [http://www.students.vcu.edu/dss/](http://www.students.vcu.edu/dss/)

**VCU Honor System:** All VCU students are presumed upon enrollment to have acquainted themselves with and have an understanding of the Honor System. Therefore, it is a student's responsibility to ask course instructors to clarify expectations for each assignment in order to be in compliance with the Honor System. The 2007 - 8 VCU Honor System policy statement and purpose is located at [http://www.provost.vcu.edu/pdfs/Honor_system_policy.pdf](http://www.provost.vcu.edu/pdfs/Honor_system_policy.pdf)

**Classroom Conduct:** Professional conduct will be expected at ALL TIMES and disruptive talking or behavior will NOT be allowed. A description of the VCU Student Conduct in Instructional Settings Policy can be found at: [http://www.ts.vcu.edu/policies/studentconduct.html](http://www.ts.vcu.edu/policies/studentconduct.html)

**VCU Statement on Safety**
- Sign up to receive VCU text messaging alerts ([http://www.vcu.edu/alert/notify](http://www.vcu.edu/alert/notify)). Keep your information up-to-date.
- Know the safe evacuation route from each of your classrooms. Emergency evacuation routes are posted in on campus classrooms.
- Listen for and follow instructions from VCU or other designated authorities.
- Know where to go for additional emergency information ([http://www.vcu.edu/alert](http://www.vcu.edu/alert)).
- Know the emergency phone number for the VCU Police (828-1234). Report suspicious activities and objects.

**University Counseling Services:** [http://www.students.vcu.edu/counseling/](http://www.students.vcu.edu/counseling/)