

Math 487: Section 1

Instructor:	Darrin Doud	Classroom:	116 TMCB
Office:	322 TMCB	Time:	1:00 MWF
Phone:	422-1204		
Office Hours:	2:00-2:50 MWF or by appointment		

Textbook: *Fundamentals of Number Theory* by William J. LeVeque

Material Covered: We will cover essentially all of chapters one through seven of the text. After that, we will have several days of class in which to cover other topics. Depending on the interests of the class, these can be chosen from: modern factorization techniques, continued fractions, quadratic forms, quadratic fields, elliptic curves, p -adic numbers, partition theory. I will decide near the end of January which topics should be covered. If there is something you would especially like to see, let me know.

Homework: Homework will be assigned during each class period, and will be due by 5:00 PM the day of the next class. Specific homework problems will not generally be discussed during class time, but I am happy to discuss the homework in my office. I encourage you to work in groups on the homework, but be sure that you understand each problem thoroughly yourself. If you do work together, please indicate this on your homework. Late homework will not be accepted unless prior arrangements have been made. Six homeworks will be dropped, and homework will count for 60% of your grade.

Midterm: We will have a take-home midterm exam at some point in late February/early March. If there are days that would be inconvenient for the midterm, please let me know, and I will take this into account in scheduling it. The midterm will count for 20% of your grade.

Final: The final exam will be held in class at the scheduled time. The final will be cumulative, and will be worth 20% of your grade.

Grading: Grades will be assigned based approximately on the following scale

	93-100%	A	90-93%	A-	
87-90%	B+	83-87%	B	80-83%	B-
77-80%	C+	73-77%	C	70-73%	C-
67-70%	D+	63-67%	D	60-63%	D-
	0-60%	E			

Office Hours: I will hold office hours on MWF from 2:00-2:50. If these hours are inconvenient for you, please let me know, and I will be happy to make an appointment with you.

Calculators: Calculators of any type may be used on the homework. No calculators will be allowed on the final. If you use a calculator (or computer) you should indicate this.

Internet: I encourage you to contact me by e-mail if you have questions. My e-mail address is doud@math.byu.edu, and I check my mail multiple times per day. There will be a Math 487 web page at

<http://www.math.byu.edu/~doud/Math487>

which will link to the homework assignments.

Harassment: Harassment of any kind is inappropriate at BYU. Specifically, BYU's policy against sexual harassment extends not only to employees of the university but to students as well. If you encounter sexual harassment, gender-based discrimination, or other inappropriate behavior, please talk to your professor, contact the Equal Employment Office at 422-5895 or 367-5689, or contact the Honor Code Office at 422-2847.

Disabilities: BYU is committed to providing reasonable accommodation to qualified persons with disabilities. If you have any disability that may adversely affect your success in this course, please contact the University Accessibility Center at 422-2767. Services deemed appropriate will be coordinated with the student and instructor by that office.