Prof. Laura Shears Math 126 section 90803 Tentative Sum 2017 Calendar Last Update: 06/06/17

Monday	Tuesday	Wednesday	Thursday	Notes
May 29 **No Class** If needed, review: • sec 1.1, prop. of reals, set & interval not., abs. value as a distance • sec 1.2, exponents and radicals, scientific not., rationalize • sec 1.3, algebraic expressions, factoring	**May 30** **No Class** If needed, review: • sec 1.4: operations w/rational expr., rationalize numerator or den., compound fractions • sec 1.5: equations • sec 1.6: complex numbers	**May 31** **No Class** If needed, review: • sec 1.7 & sec 1.12: application problems • sec 1.8 non-linear inequalities • sec 1.10 linear equations • sec 1.11 solving eqtns & inequalities graphically	**June 1** **1st day** • sec 1.3 & 1.4: calculus type factoring probs • sec 1.9 distance, midpoints, circles, & relation symmetry • **hw 0 Form Assess in WA due 6/10 10am** • **qz 0 Prereq skills due 6/10 10am**	Weekend Honor's Topic: Pythagorean Theorem Project (1 honor's pt)
June 5 **2nd day** • sec 2.1 functions, ways to represent, notation, net change, diff quot. • sec 2.2 functions vs. relations graphically and algebraically, piecewise defined functions • sec. 2.3 reading graphs, increasing, decreasing, local max's and mins's, domain & range,	**June 6** **3rd day** • A few more topics from 2.2 and 2.4: Difference Quotient, net change, average rate of change • sec. 2.5 (review 1.10) Linear Functions and Models •**D2L qz 1 or WA un 1 hw due June 7th**	**June 7** **4th day** • **Unit 1 Mini-Test sec. 1.3, 1.4, 1.9, 2.1 - 2.5, 1.10** • sec. 2.6 Function Symmetry • sec. 2.6 Transformations	**June 8** **5th day** • sec. 2.7 Algebraic Combinations of Functions • sec. 2.7 Graphical Combinations of Functions	**Last day: 100% Refund is June 7th** Weekend Honor's: Challenging Composition of Functions Project (3 pts)
June 12 **6th day** • 2.8 (review 1.2 - 1.4) 1-1 Functions, Inverse Functions •**D2L qz 2 or WA un 2 hw due June 13th**	**June 13** **7th day** • **Unit 2 Mini-Test sec. 2.6 - 2.8** • sec. 3.1 Quadratic Functions • sec. 3.2 Polynomial Graphs: end behaviour and # of extrema • sec. 3.2 Polynomial Functions: Behavior Near Zeros, Intermediate Value Theorem, Graphs	**June 14** **8th day** • sec. 3.7 (& 1.8) Rational and Poly Inequalities • sec. 3.3 Dividing Polynomials, Remainder and Factor Thms • sec. 3.4 Theorems about Zeros of Polynomials • sec. 3.5 Complex Zeros, Fundamental Thm of Algebra, Factored Form	**June 15** **9th day** • sec. 3.6 Graphs of Rational Equations •**d2L qz 3 or WA un 3 hw due June 19th**	**Last day: 50% refund and no course shown on transcript is June 14th** Weekend Honor's: rational root theorem (1 pt)
June 19 **10th day** • **Unit 3 Mini-Test chpt. 3** • review for exam	**June 20** **11th day** • **Exam 1 over Units 1 - 3**	**June 21** **12th day** • sec. 4.1 - 4.2 Exponential Functions, Compound Interest, *e*	**June 22** **13th day** • sec. 4.3 Logarhmic Fucntions • sec. 4.4 Laws of Logathrims	
June 26 **14th day** • sec. 4.5 Log Equations • sec. 4.6 Exponential Application Problems • **D2L qz 4 or WA un 4 hw due June 27th**	**June 27** **15th day** • **Unit 4 Mini-Test chpt. 4** • sec. 5.1 The Unit Circle, Key Values, and Symmetries • sec. 6.1 Angle Measure, Area of a Wedge	**June 28** **16th day** • sec. 6.1 Linear/Angular Speed • sec. 5.2 Intro to Trig Functions, Pythagorean Identities	**June 29** **17th day** • sec. 6.3 More Trig Questions using knowledge from last few sections • sec. 6.2 Right Triangle Trig	Weekend Honor's: Hyperbolic Functions (2 pts)
July 3 Holdiay Break, no class	**July 4** Holdiay Break, no class	**July 5** **18th day** • sec. 5.3 & 5.4: Basic Graph Shapes • sec. 5.3 Transformed Graphs of Sine and Cosine	**July 6** **19th day** • sec. 5.3 Special Graphing Cases • sec. 5.4 Transformed Graphs of Other Trig Functions •**D2L qz 5 or WA un 5 hw due July 10th**	
July 10 **20th day** • **Unit 5 Mini-Test**	**July 11** **21st day** • sec. 5.5 & 6.4 Composition of Inverse Trig	**July 12** **22nd day** • sec. 6.6 Law of Cosines • sec. 7.1 Trig	**July 13** **23rd day** • sec. 7.2 - 7.3 Trig Identities	Weekend Honor's: • Law of Sines &

sec. 5.1 -5.4, 6.1 - 6.3 • sec. 5.5 & 6.4 Inverse Trig Functions	Functions • Triangle Experiment Activity • sec. 6.5 Law of Sines	Expressions & Identity Proofs	**•D2L qz 6 or WA un 6 hw due July 17th**	Cosines (1 pt) • Sum & Diff ident (1 pt) • Double & half angle ident (1 pt)
July 17 24th day • **Unit 6 Mini-Test sec. 5.5, 6.4 - 6.6 & 7.1 - 7.3** • Exam 2 Review	**July 18 25th day** • **Exam 2 over Units 4 - 6**	**July 19 26th day** • sec. 7.4 Basic Trig Equations • sec. 7.5 More Trig Equations	**July 20 27th day** • sec. 8.1 Polar Coordinates • sec. 8.2 Polar Equations • sec. 8.3 Complex Numbers	Weekend Honor's: • More on DeMoivre's Thm (1 pt) • Complex Numbers (3 pts)
July 24 28th day • sec. 9.1 Introduction to Vectors	**July 25 29th day** • sec. 9.2 Vectors **•D2L qz 7 or WA un 7 hw due July 26th**	**July 26 30th day** • **Unit 7 Mini-Test sec. 7.4, 7.5, 8.1 - 8.3, 9.1, & 9.2** • sec. 10.1- 10.3 Solve Systems of Equations using RREF	**July 27 31st day** • sec. 11.1 - 11.4 Introduction to Conics • sec. 11.1 - 11.2 Conics	Weekend Honor's: • Matrices (1 pt) • Vectors (3 pts) • Conics Eqtns(1 pt) • Eccentricity Defn (3 pts)
July 31 32nd day • sec. 11.3 - 11.4 Conics • conics activity	**Aug. 1 33rd day** • sec. 8.4 Parametric Equations • Build a Face Activity **•D2L qz 8 or WA un 8 hw due Aug. 2nd**	**Aug. 2 34th day** • **Unit 8 Mini-Test sec. 8.4, 10.1 - 10.3, & 11.1 - 11.4** • sec. 12.1 Sequences and Series, Properties of Summation • sec. 12.2 Arithmetic Sequences	**Aug. 3 35th day** • Finish sec. 12.2 • sec. 12.3 Geometric Sequences • sec. 14.1 Begin Counting	Weekend Honor's: • Proof by Induction (2 pts) • Winking eye in Face Project (2 pts) • Fractal Project (2 pts)
Aug. 7 36th day • sec. 14.1 Finish Counting • Binomial Template Act • sec. 12.6 Begin Binomial Theorem and Pascal's Triangle	**Aug. 8 37th day** • sec. 12.6 Finish Binomial Theorem and Pascal's Triangle • sec. 14.3 Binomial Counting Problems **•D2L qz 9 or WA un 9 hw due Aug. 9th**	**Aug. 9 38th day** • **Unit 9 Mini-Test sec. 12.1 - 12.3,`12.6, 14.1, 14.3** • Exam 3 Review	**Aug. 10 39th day** **Exam 3 over units 7 - 9**	**Makeup Exam Week*** ***See the Concourse Syllabus for what you are required to do before being allowed to take a makeup exam or test.** **Last Day to drop with a W in Banner is Aug. 8th**
Aug. 14 40th day • Final Exam Review Day	**Aug. 15 41st day** **•Comprehensive Final Exam**	**Aug. 16** No class. Grading day for your instructor.	**Aug. 17** Grades will be posted in D2L.	Relax and enjoy the rest of your summer!

Make sure you are on time for all classes. If you must miss a class, go online to see what we did and submit any work that was due that day. Missing a class is not an excuse to miss assignments. It is also not an excuse to not keep up with the material. It will be up to you to read and study what was missed.

For most lecture days there is a daily skills assignments that you write up by hand and turn in at the beginning of the next class. If you miss a class, you need to turn in the assignment electronically through D2L so you can get feedback and full credit. Most of the time, you will need to respond to feedback before getting full credit, but as long as you make your first attempt on time, turn in corrections each day until you get full credit, and you get the assignment correct before the corresponding mini-test, you will get full credit.

Also on most lecture days, there will be some in class problems or projects to do that are designed to either help you discover a mathematical concept or begin to practice a skill that we just discussed. It is much easier to get full credit on these activities in class so you can receive help. If you miss a class you still need to do the in class activity on the same day that we did it in class and send it to me electronically through D2L.

Instructor Availability Outside of Class

Office Hours:

Location: classroom

Monday - Thursday 9:30 - 10:00AM

Tutoring Hours:

Monday - Thursday: 2 - 6PM

Fridays: Noon - 4PM

- Class Meets: GB 330 10:10AM - 12 noon MTWR
- WebAssign can be accessed through a link in D2L or directly. Our class key is: lcc 0283 2272
- Complete Syllabus (must be logged in to see all details)
- Should you need to drop, please keep the drop dates posted on the above schedule in mind. Also, if you miss more than 1 of anything (classes, class activities, class warmups, quizzes and/or homework at 75% or above, etc)

Please note, that if possible, you should get help from other math tutors during tutoring hours. More tutoring hours will be posted when I get information about the other tutors' schedules.

E-mail:

Please use D2L e-mail.

please contact me to discuss the situation and avoid an administrative drop if it looks feasible for you to continue in the course successfully.

- Tutoring Information.

More details about what we did on any given day will be posted in D2L as we work our way through the course. Check for any announcements that I may have posted after class and check for revised agendas in D2L.

You will also find grades posted in D2L. You can also use the grade form below to keep track of your grades. Compare your records to the ones I post in D2L and let me know if something doesn't seem correct.

Keep track of your grades!								out of	
activities						top 25 activities:		100 (4 pts each)	
daily skills						top 25 daily skills:		100 (4 pts each)	
mini-tests						mini-tests total:		180	(20 pts each)
d2l quizzes/ WA hw						top 8 quiz/hw:		120	(15 pts each)
exams						exam total:		300	(100 pts each)
						final:		200	
extra crd:						total xc:			
	exm 1	exm 2	exm 3	honors		**Total:**		1000	

Grading Scale	
000 - 594	0.0
595 - 644	1.0
645 - 704	1.5
705 - 764	2.0
765 - 814	2.5
815 - 874	3.0
875 - 934	3.5
935 - 1000	4.0

There are 3 exams and you are allowed 1 makeup exam to replace a low score or make up for a missed exam. Make sure all of the corresponding WebAssign graded homework or your D2L quizzes are completely correct (100% credit) before requesting a makeup exam. There are 9 mini-tests (tests designed to be taken in 20 - 30 minutes). You may makeup up to 2 of them if you missed them or are unhappy with your scores. Again make sure you have all corresponding graded homework/quizzes done before making this request.

If you would like to earn an H on your transcript and you earn at least a 3.0 in the course, you need to do at least 15 points worth of honor's projects. The points may also be used as extra credit points. Additionally, you will get the opportunity to earn extra credit points on exam days for exams 1, 2, and 3 by taking the exams on time and then working with your classmates to discuss problems with each other and retake the exam.