MATH 1715 Precalculus (Summer 2010)

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The Course: The purpose of this course is to prepare the students to be successful in calculus (Math 2144, 2153, and 2163). This means that students must be fluent in basic algebra and trigonometry.

Textbook: Precalculus, Fifth Edition: Stewart, Redlin, Watson. A webassign access code comes with your text.

Homework: Most of your homework will be completed on line at the WEBASSIGN web site. You should sign up for WebAssign right away. Follow the directions to self-enroll on the attached sheet. You will need to enter a 'class key'. This is a code for our class, it is okstate 6333 6673. You will also need your 'student access code'. It comes with your textbook. To logon each time you will enter the following:

- Username: enter your username
- Institution: okstate
- Password: enter the password you made up.

You can submit each exercise up to 3 times.

Quizzes: Quizzes will be given frequently at the beginning of class. Some quizzes may be take-home. There will be NO make-up quizzes for any reason.

Examinations: There will be three in-class examinations and one comprehensive final. The final examination will be Thursday, July 30th at 9:00am.

Make up examinations may be made only for serious and unavoidable circumstances, and only if approved **in advance** by your instructor.

Calculators: A graphing calculator will be required for this course. A calculator may be used on some exams and quizzes. (Except for a TI-89; It will not be allowed on any quiz or examination). You may check out an acceptable calculator from 401 MSCS.

Attendance: Students are expected to attend all lectures. An attendance score will be computed as follows. Each student will begin the semester with 40(5% of 800) attendance points. Each lecture missed will reduce the score by 5 points. Your final attendance score will be considered as extra credit, which will be added to your total scores.

Grade Distribution: There are 800 possible points for the semester. Each in-class exam is worth 100 points, the final exam is worth 200 points, the homework will be scaled to 200 points and quizzes will be scaled to 100 points.

Item	Points
Exam 1	100
Exam 2	100
Exam 3	100
Quiz	100
Homework (WebAssign)	200
Final Exam	200
Total	800

Points Earned	Semester Grade
720-800	A
640-719	B
560-639	C
480-559	D
479 and below	F

Academic Integrity: Working with another person or in study groups on problems can be helpful in learning the material; however, all written work submitted must be your own. Copying someone else's problem solution or showing your written solution to someone else is prohibited. Such behaviors are regarded as violations of academic integrity and will be treated according to the University's policy.

Any changes in this syllabus will be communicated to you in class.

For other university policies,
consult the 2010 OSU Syllabus Attachment

	Monday	Tuesday	Wednesday	Thursday
Week 1	Syllabus Real Numbers (1.1) Exponents and Radicals (1.2)	Algebraic Expressions (1.3) Rational Expressions (1.4) Equations (1.5)	Modeling W/ Equations (1.6) Inequalities (1.7) Coordinate Geometry (1.8)	Lines (1.10) Review chapter 1
Week 2	Functions (2.1 & 2.2) Transformations of Functions (2.4)	Maxima & Minima (2.5) Modeling With Functions (2.6)	Combining Functions (2.7) Inverse Functions (2.8)	Review chapter 2 **Exam 1**
Week 3	Polynomial Functions & Graphs (3.1) Dividing Polynomials (3.2)	Real Zeroes (3.3) Complex Numbers (3.4)	Complex Zeroes and FTA (3.5)	Review chapter 3 Exponential Functions (4.1)
Week 4	Logarithmic Functions (4.2) Laws of Logarithms (4.3)	Exponential and Logarithmic Equations (4.4)	Modeling With Exponential & Log Eqns (4.5)	Review chapter 4 **Exam 2**
Week 5	Holiday	Angles (6.1) Trig of Rt Triangles (6.2)	Definition in (6.3)& Trig Graphs (5.3)	Trig Functions of Angles (6.3) Inverse Trig Functions (7.4)
Week 6	Law of Sines (6.4) Law of Cosines (6.5) Review chapter 6	Trig Identities (7.1 & 7.2)	Trig Identities (7.3) Trig Equations (7.5)	Review chapter 7 **Exam 3**
Week 7	Polar Coords (8.1) Polar Form(8.3)	Vectors (8.4 & 8.5)	Review chapter 8 Systems of Linear Equations (9.1 & 9.2)	Systems of Linear Equations(9.3 & 9.4)
Week 8	Partial Fractions(9.8) Review chapter 9	Sequences & Series (11.1, 11.2, & 11.3)	Review chapter 11 Review for Final	**Final Exam**