

Course Information and Syllabus
Math 141/142
 Summer 2006 Section 2

Instructor: Kleiman Elizabeth
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Office hours: MWTR 9:40 -10:40 or by appointment
Office: Carver 417
Web Page: <http://n.1asphost.com/Kavrol/index.html>
Textbook: Precalculus, Seventh Edition, Sullivan
Meeting: MTWRF 8:40 – 9:40

Tentative Syllabus:

<u>Week 1</u>	Jun	12 M	Introduction
		13 T	5.1 Angles and Their Measure
		14 W	5.2 Trigonometric Functions: Unit Circle Approach
		15 R	5.3 Properties of Trigonometric Functions
		16 F	5.4 Graphs of Trigonometric Functions
<u>Week 2</u>		19 M	5.5 Graphs of Trigonometric Functions
		20 T	5.6 Phase Shift
		21 W	Review
		22 R	Exam 1
		23 F	6.1 Inverse Sine, Cosine, and Tangent Functions
<u>Week 3</u>		26 M	6.2 More Inverse Trig Functions
		27 T	6.3 Trigonometric Identities
		28 W	6.3 Trigonometric Identities
		29 R	6.4 Sum and Difference Formulas
		30 F	6.5 Double-angle and Half-angle Formulas
<u>Week 4</u>	Jul	3 M	6.6 Product to Sum/Sum to Product formulas
		4 T	Independence day
		5 W	6.7 Trigonometric Equations
		6 R	6.8 Trigonometric Equations
		7 F	Review
<u>Week 5</u>		10 M	Exam 2
		11 T	7.1 Right Triangle Trigonometry
		12 W	7.2 The Law of Sine's
		13 R	7.3 The Law of Cosine's
		14 F	7.4 Area of a Triangle
<u>Week 6</u>		17 M	7.4 Area of a Triangle
		18 T	8.1 Polar Coordinates
		19 W	Review
		20 R	Review
		21 F	Trig Final
<u>Week 7</u>		24 M	8.2 Polar Equations and Graphs
		25 T	8.3 Complex Plane; De Moivre's Theorem
		26 W	9.1 Conics and 9.2 Parabola
		27 R	9.3 Ellipse
		28 F	9.4 Hyperbola
<u>Week 8</u>		31 M	9.5 Rotation of Axes, General Form of a Conic
	Aug	1 T	9.6 Polar Equations of Conics
		2 W	9.7 Plane Curves and Parametric Equations
		3 R	Review
		4 F	Final

Course policies:

There are no makeups or early quizzes. No late homework will be accepted, scores will be recorded as zero. Exams need to be taken at the scheduled time and place. The exams are closed book. If you have a conflict with an exam, contact your instructor as soon as possible before the exam. If an emergency causes you have to miss an exam, contact your instructor immediately thereafter (within 48 hours). Any exam not taken at the regular scheduled time will require a written explanation, including a person and number to verify the situation. This means you should go to the Student Health Services or your doctor if you are ill.

Grading policies:

<u>Math 141:</u>	Exam 1	100 points
	Exam 2	100 points
	Trig Final	150 points
	Homework	100 points
	Class Participation	50 points
	Total:	500 points

<u>Math 142:</u>	Exam 1	100 points
	Exam 2	100 points
	Trig Final	150 points
	Final	150 points
	Homework	140 points
	Class Participation	60 points
	Total:	700 points

Disability policies:

“If a student has a disability that qualifies under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act and requires accommodations, he/she should contact the Disability Resources (DR) office for information on appropriate policies and procedures. DR is located on the main floor of the Student Services Building, Room 1076; their phone is 515-294-6624.”

Homework:

Math 141: There will be 11 homework assignments. Each will have 10 problems and will be worth 10 points. I'll drop the one with the lowest score, so that your grade will be out of 100 points.

Math 142: There will be 15 homework assignments. Each will have 10 problems and will be worth 10 points. I'll drop the one with the lowest score, so that your grade will be out of 140 points.

No late homework will be accepted!

Class Participation:

There will be in class “group projects”. Also you will be assigned problems which you should be able to solve on the board, because I might ask you to do so! These problems will not be collected and graded, but points may be counted towards class participation.