

**MAC 2147**  
***Math for Calculus: Algebra & Trigonometry***  
**M/W/F 2:30pm-4:20pm**  
**HPA 112**

Professor: Dr. Cynthia Y. Young  
Office: MAP 231G  
Office Phone: 823-5987  
Email: [cyyoung@mail.ucf.edu](mailto:cyyoung@mail.ucf.edu)  
Office Hours: Mondays 1:30-2:30pm  
Wednesdays 11:00am-12:00pm  
Fridays 1:30pm -2:30pm

Math Lab: MAP 113 offers free tutoring for UCF students

EXCEL Lab: CCII room 223 offers free tutoring for EXCEL students

Text: (ISBN 9780470132272) *Algebra and Trigonometry*, by C. Y. Young packaged with Wiley Plus. **Envelope contains Wiley Plus Registration Codes (Do NOT Discard).**

Classroom Rules:

1. No hats are to be worn in class.
2. Cell phones must be on SILENT (not vibrate or ringing). Any phone that I hear will result in a cell phone quiz and the person whose phone rings gets a zero.
3. Quizzes will start at 2:30pm and end at 2:35pm. If you are late then you will receive a 0 for that quiz.

Study Expectations: This class is a five-credit course and it is expected that you spend a *minimum* of 10 hours outside of class reading, working homework problems, completing assignments and studying. Many students will require more than 10 hours.

Grades:

Tests	40%
Final Exam	25%
Quizzes	15%
Cumulative Assignments (Wiley Plus)	10%
Team Project: Climate Change	10%
Total	100%

A: 90%-100%

B: 80%-89%

C: 70%-79%

F: 0%-69%

D's cannot be assigned in this course. A grade of NC (No Credit) will be assigned if the following criteria are met: Course grade is less than 70%, and you complete the course.

## ASSESSMENT DESCRIPTIONS

- Tests:** There will be four tests given (see schedule). Make up tests will only be given to students representing the university during a test with proper documentation. If a test is missed for any other reason it will be replaced by the final exam grade. Your test average is worth 40% of your grade.
- Final Exam:** The final exam is cumulative and is worth 25% of your grade. It will be given at 1:00pm – 3:50pm on Wednesday December 5, 2007.
- Quizzes:** There will be 34 scheduled quizzes (see schedule) and additional quizzes if cell phones ring during class. Each scheduled quiz is worth 3 points and will have two problems. One problem (worth 2 points is a problem **directly from the suggested homework** due that day) and one problem (worth 1 point) is a pretest knowledge question to ensure that you have **read the material to be covered that class period**. A cell phone quiz will have one question on current material and will be worth 2 points. Your quiz average is worth 15% of your grade.
- Homework:** A list of homework problems for each section is given in this syllabus. It is suggested homework to do after we have covered the material. The two-point problem on every quiz comes **directly from these assigned problems**.
- Wiley Plus:** Wiley Plus is an online course management system with many valuable features. The entire book is there electronically as well as the entire student solutions manual (with full solutions). In addition there are videos. Anywhere you see a video icon next to an example in the book; you can click in Wiley plus and watch a video of me working that problem. I encourage you to use this system as a supplement. There are 10 scheduled cumulative assignments (see schedule) that you are required to complete. Your Wiley plus average is worth 10% of your grade.
- Course Logins:** <http://edugen.wiley.com/edugen/class/cls40433/>  
**First Day (Registering)** <http://wiley.breezecentral.com/firstday>  
**Tech Support:** <http://hesupport.wiley.com/wileyplus>
- Project:** The GEP Unifying Theme is *Global Climate Change*. When UCF asked students what they care about, undergraduates responded with a clear, unified voice: the environment, specifically Global Climate Change. There will be a project (see schedule) that will be completed in *assigned* teams. The project will be 10% of your grade.
- Calculators:** Only non programmable, non graphing calculators allowed on tests.

*The withdrawal deadline is Friday October 12, 2007.*

<u>Date</u>	<u>Class Material</u>	<u>Assessment</u>	<u>Wiley Plus</u>
8/20	Skills Test/Pretest/Wiley Plus Demo	Pretests	
8/22	1.1,1.2	Quiz 1	
8/24	1.3/1.4	Quiz 2	
8/27	1.5,1.6,1.7	Quiz 3	
8/29	2.1,2.2	Quiz 4	
8/31	Problem Solving		Cumulative #1
9/3	<i>LABOR DAY</i>		
9/5	2.3,2.4	Quiz 5	
9/7	3.1, 3.2	Quiz 6	
9/10	3.3, 3.4	Quiz 7	
9/12	3.5, Review	Quiz 8	Cumulative #2
9/14	<b>TEST 1: Chapter 1-3</b>		
9/17	4.1, 4.2	Quiz 9	
9/19	4.3, 4.4	Quiz 10	
9/21	4.5, 4.6	Quiz 11	
9/24	5.1, 5.2	Quiz 12	Cumulative #3
9/26	5.3, 5.4	Quiz 13	
9/28	5.5, Problem Solving	Quiz 14	
10/1	6.1, 6.2, 6.3	Quiz 15	
10/3	6.4,6.5, 6.6	Quiz 16	
10/5	Project Distributed/Groups Assigned		Cumulative #4
10/8	6.7, 6.8	Quiz 17	
10/10	6.9, Review	Quiz 18	
10/12	<b>TEST 2: Chapter 4-6</b>		
10/15	7.1,7.2	Quiz 19	Cumulative #5
10/17	7.3,7.4	Quiz 20	
10/19	7.5,7.6	Quiz 21	
10/22	7.7,7.8	Quiz 22	
10/24	8.1,8.2,8.3	Quiz 23	
10/26	Problem Solving/Projects		Cumulative #6
10/29	8.4,8.5	Quiz 24	
10/31	8.6,8.7	Quiz 25	
11/2	8.8, 9.1	Quiz 26	
11/5	9.2,9.3, 9.4	Quiz 27	
11/7	9.5/Review	Quiz 28	Cumulative #7
11/9	<b>TEST 3: Chapters 7-9</b>		
11/12	10.1,10.2	Quiz 29	
11/14	10.3,10.4	Quiz 30	
11/16	<b>Projects Due</b>		Cumulative # 8
11/19	11.1,11.2,11.3,11.4	Quiz 31	
11/21	11.5,11.6,11.7	Quiz 32	
11/23	<i>THANKSGIVING</i>		
11/26	12.1, 12.2, 12.3	Quiz 33	Cumulative #9
11/28	12.4,12.5	Quiz 34	
11/30	<b>TEST 4: Chapters 10-12</b>		
12/3	Review for Final Exam		Cumulative #10
12/5	<b>FINAL EXAM</b>	1:00-3:50pm	

## SUGGESTED HOMEWORK

Section	Homework Problems
0.1	9, 11, 23, 29, 35
0.2	3, 11, 17, 19, 21, 25, 29, 33, 37, 39, 49
0.3	7, 11, 15, 19, 25, 29, 33
0.4	5, 9, 13, 17, 19, 21, 25, 29, 31
0.5	5, 7, 11, 13, 19, 23, 29, 33
0.6	9, 15, 21
0.7	3, 7, 11, 15, 19, 23
1.1	3, 8, 13, 17, 22, 29, 36, 41, 46, 61, 63
1.2	3, 7, 10, 19, 25, 28, 33, 39, 43, 50, 51, 55
1.3	3, 9, 16, 18, 25, 43, 50, 53, 58, 71, 74, 77, 87, 91, 96, 101, 103, 105
1.4	1, 5, 10, 19, 27, 31, 35, 40, 47, 50, 61, 71
1.5	5, 9, 18, 21, 23, 41, 45, 55, 71
1.6	3, 11, 13, 22, 26, 31, 33, 39, 43, 58
1.7	8, 11, 41, 46, 51, 70
2.1	7, 13, 16, 25, 34, 45
2.2	3, 7, 11, 16, 25, 34, 45
2.3	3, 10, 17, 20, 23, 32, 35, 49, 55, 62, 77, 89
2.4	4, 7, 19, 28, 33, 36, 42, 57, 59
3.1	4, 10, 13, 17, 20, 31, 35, 39, 43, 46, 55, 59, 65, 85, 88
3.2	5, 11, 17, 26, 27, 30, 33, 37, 43, 45, 57, 62, 65, 77
3.3	6, 11, 25, 49, 53, 58, 63, 71, 75, 79, 84, 93
3.4	5, 8, 13, 19, 23, 27, 31, 33, 38, 43, 51, 56, 67
3.5	3, 8, 11, 19, 22, 28, 33, 38, 41, 45, 52, 56, 59
4.1	4, 7, 13, 25, 34, 43, 51, 61, 66, 67, 80
4.2	3, 7, 14, 25, 27, 30, 57, 61, 70, 79, 81
4.3	3,7,15,18,27,39,47,51,67,68
4.4	3,9,11,15,17,25,31,33,41,45,54,67
4.5	5,9,15,21,27,28,32,35,43,45,53,69,71
4.6	5,12,18,23,25,32,33
5.1	3,11,15,18,22,23,27,35,36,37,43
5.2	3,7,9,15,21,26,27,30,31,43,45
5.3	3,5,7,11,15,21,23,30,34,37,45,51,59,61,65,69,71
5.4	1,5,7,11,17,19,29,32,39,41,49,57,68
5.5	3,9,13,17,24,25,28,35,37,43,47,50,63,64
6.1	1,3,7,11,19,21,28,31,35,39,44,47,51,59,62,71
6.2	1-6,7,10,13,15,19,25-33,35,37,39,44,49,53,57,59,67-72
6.3	3,7,11,17,23,29,33,35,40,41,45,47,50,53
6.4	3,5,9,19,21,23,35,38,41,49,60,69,71,77,84,89,91
6.5	1,3,5,9,11,13,17,20,29,31,37,43,47,49,56,61,65,69,73,83
6.6	3,5,13,17,20,27,31,37,41,47,51,53,61,67,73,76,81,84,88,93,97,104,115,123
6.7	1,3,5,7,11,15,19,27,31,35,43,47,53,63
6.8	1-10,13,17,25,27,32,41,43,49,53,61,66,69,73
6.9	1-8,9,11,15,23,25,33,48

<b>Section</b>	<b>Homework Problems</b>
7.1	1,5,8,11,15,17,20,23,27,33,38,43,49,51,64
7.2	1,7,11,13,18,24,28,29,37,39,43,45,47,51,60
7.3	1,3,5,11,15,19,27,29,36,37,43,46,60
7.4	3,7,11,13,17,22,24,35
7.5	1,3,6,11,13,15,22,23,25,28,30,37,49
7.6	1,3,7,9,13,17,23,26,35,37
7.7	3,5,11,14,19,25,27,35,41,44,45,47,49,51,61,65,69,75,81,85,95
7.8	1,3,5,7,11,15,19,23,25,29,33,35,39,47,49,57,69,73,77,85,92,103
8.1	3,6,7,11,16,19,23,24,27,29,32
8.2	1,5,8,10,13,15,20,25,31,36,37,39,42
8.3	1,5,8,13,14,17,23,26,31
8.4	3,6,9,15,19,23,27,34,37,41,47,49,52,55,61,63,68,71,84
8.5	1,5,10,13,17,24,27,28,39,45,47,55
8.6	1,3,9,16,21,25,27,29,31,34,41,45,59,60
8.7	3,5,9,13,15,20,23,27,33,34,41,43,45,59,61
8.8	3,7,12,18,23,24,32,34,37,41,47,57,63
9.1	3,9,10,13,16,21,24,26,27,29,35,40,53
9.2	3,11,18,23,25,31,37
9.3	2,6,7,9,13,15,19,22,25,31,36,47
9.4	3,7,10,13,17,24,27,29,31,33,39,44
9.5	2,4,7,9,13,16,17,19,27,39,45,49,53
10.2	1,3,7,9,13,15,17,19,22,25,29,32,35,37,41,45,49,51,61,63,80
10.3	3,5,10,13,16,17,29,33,37,39,42,43,62
10.4	2,7,10,23,31,37,39,54,55,67,68
11.1	1,2,3,4,5,6,7,8
11.2	1,3,6,8,9,13,16,21,25,29,33,38,41,45,49
11.3	3,4,7,11,13,25,28,29,32,35,51,62
11.4	1,3,7,9,12,25,28,29,32,35,51,62
11.5	1,3,5,7,9,13,22,25,29,39,41
11.6	1,3,9,17,21,23,29,33,43,45
11.7	1,5,9,13,19,21,23,26,31,33,36,41
12.1	3,7,11,12,15,17,21,23,25,28,31,33,35,37,39,43,51,59,61,63,65,67,71,79
12.2	3,5,14,20,21,31,41,45,49,51,67
12.3	3,6,9,13,19,25,31,33,35,37,40,43,45,59,61,64
12.4	1,3,11,15,17,21,33
12.5	3,5,7,9,11,13,15,17,29,35,45,47