

MAC 2147
Math for Calculus: Algebra & Trigonometry
M/W 1:30pm-3:20pm
F 1:30pm – 2:30pm
BL 209

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Office Hours: Mondays 11:00am -12:00pm
Wednesdays 3:30pm – 4:30pm
Fridays 2:30pm -3:30pm

Math Lab: MAP 113 offers free tutoring for UCF 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.

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%
<i>Read Ahead Quizzes</i>	10%
Pop Quizzes	5%
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 five tests given (see schedule). Make up tests will only be given to students representing the university during a test with proper documentation. The lowest test grade will be dropped (best 4 out of 5 will count). 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 April 23, 2008.
- Quizzes:** There will be *read ahead* quizzes before every class period in Wiley Plus. These quizzes are worth 10% of your grade. There will be periodic pop (surprise) quizzes that are worth 5% 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 pop quizzes 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/cls52452/>
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 February 29, 2008.

<u>Date</u>	<u>Class Material</u>	<u>Wiley Plus Assessments</u>
1/7	Pretest/Wiley Plus Demo/Chapter 0	
1/9	1.1/1.2	
1/11	1.3	<i>Read Ahead Quiz 1</i>
1/14	1.4/1.5	<i>Read Ahead Quiz 2</i>
1/16	1.6/1.7	<i>Read Ahead Quiz 3</i>
1/18	2.1/2.2	<i>Read Ahead Quiz 4</i> Cumulative HWK #1
1/21	<i>MLK Day</i>	
1/23	2.3/2.4	<i>Read Ahead Quiz 5</i>
1/25	3.1	<i>Read Ahead Quiz 6</i>
1/28	3.2/3.3	<i>Read Ahead Quiz 7</i>
1/30	3.4/3.5	<i>Read Ahead Quiz 8</i> Cumulative HWK #2
2/1	TEST 1 (Chapters 0,1,2 and 3.1-3.3)	
2/4	4.1/4.2	<i>Read Ahead Quiz 9</i>
2/6	4.3/4.4	<i>Read Ahead Quiz 10</i>
2/8	4.5	<i>Read Ahead Quiz 11</i>
2/11	5.1/5.2	<i>Read Ahead Quiz 12</i> Cumulative HWK #3
2/13	5.3/5.4	<i>Read Ahead Quiz 12</i>
2/15	5.5 Projects Distributed	<i>Read Ahead Quiz 13</i>
2/18	6.1/6.2/6.3	<i>Read Ahead Quiz 14</i>
2/20	6.4/6.5	<i>Read Ahead Quiz 15</i> Cumulative HWK #4
2/22	TEST 2 (3.4-3.5, chapters 4, 5)	
2/25	6.7/6.8/6.9	<i>Read Ahead Quiz 16</i>
2/27	7.1/7.2/7.3	<i>Read Ahead Quiz 17</i>
2/29	7.4/7.5/7.6	<i>Read Ahead Quiz 18</i> Cumulative HWK #5
3/3	7.7/7.8	<i>Read Ahead Quiz 19</i>
3/5	<i>Part 1 of Projects Due/Work on Part II</i>	
3/7	TEST 3 (Chapters 6, 7)	
	<i>Spring Break</i>	
3/17	8.1/8.2/8.3	<i>Read Ahead Quiz 20</i> Cumulative HWK #6
3/19	8.4/8.5	<i>Read Ahead Quiz 21</i>
3/21	<i>Work on Projects</i>	
3/24	8.6/8.7/8.8	<i>Read Ahead Quiz 22</i> Cumulative HWK #7
3/26	9.1/9.2	<i>Read Ahead Quiz 23</i>
3/28	9.3 Projects Due Part II	<i>Read Ahead Quiz 24</i>
3/31	9.4/9.5	<i>Read Ahead Quiz 25</i>
4/2	10.1/10.2/10.3	<i>Read Ahead Quiz 26</i> Cumulative HWK #8
4/4	TEST 4 (Chapters 8, 9)	
4/7	10.4/11.1/11.2	<i>Read Ahead Quiz 27</i>
4/9	11.3/11.4	<i>Read Ahead Quiz 28</i>
4/11	11.7	<i>Read Ahead Quiz 29</i> Cumulative HWK #9
4/14	12.1/12.2/12.3	<i>Read Ahead Quiz 30</i>
4/16	12.4/12.5	<i>Read Ahead Quiz 31</i> Cumulative HWK #10
4/18	TEST 5 (Chapters 10-12)	
4/21	Review for Final Exam	Cumulative FINAL EXAM
4/23	FINAL EXAM	

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

Section	Homework Problems
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