Information
Math 130

Professor

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Time and Place

Monday: 4:40–6:20pm, 1S-102
Wednesday: 4:40–6:20pm, 1S-102

Office hours:
Monday: 3:30–4:20 pm and 8:10–9:00pm
Wednesday: 3:30–4:20 pm.

Textbook

Stewart, Redlin, Watson, Precalculus, 5th Edition, Enhanced WebAssign Edition,
Custom edition with Ch. 1-7 and student access code for Enhanced Webassign Cengage Learning (2010)
ISBN-10: 1-1117-2463-6

Course Outline

This course aims to learn basic facts about functions, complex numbers and trigonometry.

Course Grade

The final course grade is determined as follows:

Homework	10%
Quizz	10%
First test	20%
Second test	20%
Final	40%

First test: October 9
Second Test: November 13
Final: December 16 (to be confirmed)
Homework: must be submitted using "Webassign" that can be found on the mathematics Website of CSI. Go to `http://www.math.csi.cuny.edu/` and follow the links.

Integrity policy

Please refer to
`http://www.cuny.edu/about/info/policies/academic-integrity.pdf`

Cell phone

Let us stay focused on the class !
Thus, cell phone should be switched off.

Lesson Plans

Below, each lesson corresponds to a one-hour class

Lesson	Sections	Topics	Homework
1	1.7	Inequalities	22, 26, 34, 36, 70, 72, 88, 90
2	2.1	Domain	42, 44, 46, 50, 52, 54, 56, 58
3	2.5	Quadratic functions	7, 12, 14, 17, 20, 27, 31, 39, 42, 50
4	2.7	Combining functions	5, 8, 14, 17, 20, 22, 23, 32, 36, 49
5	3.1	Polynomial functions	4, 6, 18, 24, 42, 50
6	3.1		60, 68, 70, 71, 72, 74
7	3.2	Dividing polynomials	8, 12, 18, 54, 58, 60, 66
8	3.2		
9	3.4	Complex numbers	4, 10, 16, 28, 34
10	3.4		42, 52, 58, 62
11	3.5	Complex zeros	8, 12, 16, 30, 36
12	3.5		44, 50, 52, 56
13	3.6	Rational functions	6, 10, 20, 24, 40
14	3.6	Rational functions	48, 54, 56, 60, 64, 77
15	5.1	The unit circle	10, 16, 24, 30, 36
16	5.2	Trigonometric functions	4, 10, 30, 50, 66
17	5.3	Trigonometric graphs	18, 24, 30, 32, 44
18	5.4	Trigonometric graphs	10, 20, 26, 38, 50
19, 20	5.5	Harmonic motion	2,6,8,12,14,16,18,20,22,24
21, 22		**Exam 1** (October 9th)	
23, 24	6.1	Angle measure	5, 15, 29, 37, 43, 44, 49, 54, 60, 63
25, 26	6.2	Trigonometry of right angles	1, 5, 8, 11, 14, 21, 27, 30, 35, 40
27, 28	6.3	Trigonometric functions of angles	3, 10, 17, 38, 42, 44, 47, 49, 51, 61
29, 30	6.4	Law of Sines	2, 8, 9, 12, 15, 22, 28, 31, 33, 37
31, 32	6.5	Law of cosines	4, 8, 9, 14, 20, 27, 30, 32, 39, 41
33, 34	7.1	Trigonometric identities	1, 5, 9, 13, 16, 21, 23, 24, 27, 31, 35
35, 36	7.2	Addition formulas	2, 6, 10, 16, 18, 31, 32, 41, 43, 46
37	7.3	Double-angle formulas	1, 3, 5, 7, 19, 24
38	7.3	Sum-Product formulas	28, 30, 35, 37, 55, 57
39, 40		**Exam 2** (November 13th)	
41, 42		Exams corrections	
43, 44		Problems session	
45, 46	2.8	Inverse of a function	34, 36, 38, 42, 44, 46, 66, 68
47, 48		Inverse Trigonometric functions	2, 4, 15, 16, 22, 25, 26, 29, 31, 41, 42
49, 50		No class (December 2nd)	
51, 52	7.5	Trigonometric Equations	1, 3, 7, 17, 23, 29, 41, 46, 62, 65, 66
53, 54		REVIEW	
55, 56		Exam preparation (December 11)	