

SYLLABUS

Instructor: Dr. Yun Yoo

Course Number: Math 161, Precalculus I **CRN:** 51104 **Section:** 073
Class Time: M / T / W / Th ; 11:00 am and 12:20 pm between July 11 and August 24, 2011
Classroom: BR-19

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Course Webpage: <http://faculty.ccp.edu/faculty/ywoo/> (You can find all information)

Text: **Precalculus 1, Custom Edition, Math 161, Community College of Philadelphia, 5/E by Stewart, Redlin, Watson**

Course Description: Functions and relations and their graphs, transformations and symmetries; composition of functions; one-to-one functions and their inverses; polynomial functions; complex numbers; rational functions; conic sections.

Calculator: Not required.
Prerequisites: MATH 118 with a grade of "C" or better.

Homework: It is especially important that you keep up with the homework. We will discuss some of these problems in class, and I will be glad to help you outside class as well, but it is your responsibility to do the work. **Homework will be assigned, but it will not be collected, DO NOT ALLOW YOURSELF TO FALL BEHIND, AND SEEK HELP IF YOU ARE HAVING DIFFICULTY.**

Attendance: **Attendance will be taken at each class by means of an "Attendance Quiz" These are for practice and fun. I will give you solutions of each AQ at the end of class so that you shouldn't ask me solutions before taking exam.** There is a college policy allowing at most 6 absences during the semester. In the event that you do not meet this policy, you may be dropped from the class. Regular attendance is necessary in order to master the material. It is your responsibility to find out what you have missed due to absence. It is important that you try to do the work you have missed.

Test: There will be 3 tests and a comprehensive final exam.

Test 1: Thursday, July 21, 2011
 Test 2: Thursday, August 4, 2011
 Test 3: Thursday, August 18, 2011
 Final Exam: Wednesday, August 24, 2011

July	August
Mo Tu We Th Fr Sa	Mo Tu We Th Fr Sa
W1 11 12 13 14 15 16	W4 1 2 3 4 5 6
W2 18 19 20 21 22 23	W5 8 9 10 11 12 13
W3 25 26 27 28 29 30	W6 15 16 17 18 19 20
	W7 22 23 24

Makeup Policy: Make-ups are the discretion of the instructor and require prior approval and a written, acceptable medical excuse. Students who are absent without notice from an exam are expected to contact the instructor as soon as able to address this absence. Students who do not contact the instructor within a reasonable time frame after being absent from an exam will receive a score of zero for that exam.

Help
There are several resources for students with questions. First and foremost, you should participate and ask questions in class. If you still have unanswered questions, please feel free to stop by my office during the office hours. More importantly, **CCP provides free tutoring and workshops in Room B2-36 (South Learning Lab) for daytime.** Many students find it helpful to form study groups for doing homework and studying for tests. It is a great way to learn materials.

Grading: The course average will be computed using either
(I) **Three tests (75%) and the final (25%) or**
(II) **Two best tests out of three tests (50%) and the final (50%).**
Everyone must take the Comprehensive Final Exam. If not, you will get "F". All exams are scored out of 100 points.

Your written final grade will be determined as follow:

90-100 % (360-400 points)	A
80-89 % (320-359 points)	B
70-79 % (280-319 points)	C
60-69 % (240-279 points)	D
0-59 % (0-239 points)	F

Summer II Semester 2011:

Summer II 2011 (7-week) Session begins: Monday, July 11, 2011.

Final day to drop course for summer II 2011 without penalty of 'F' grade: **Thursday, August 11, 2011.**

Summer II 2011 (7-week) Session ends: Wednesday, August 24, 2011.

Final Remarks:

- **Turn off cell phones, other electronic devices, and iPod.**
- **Side conversations should be kept to the strictest minimum.**
- **Avoid any behavior that can be disturbing to the class.**
- **Be respectful to me and to your classmates.**
- **Unruly or disruptive behavior is unacceptable.**
- **No food or gum during class.**
- **If you need to leave the classroom early, do it as quietly as possible.**

Lecture Schedules

**Text: Precalculus 1, Custom Edition, Math 161, Community College of Philadelphia,
5/E by Stewart, Redlin, Watson**

Week #1 (July 11-14)	M	1.1 Real Numbers 1.2 Exponents and Radicals
	T	1.3 Algebraic Expressions
	W	1.4 Rational Expressions
	Th	1.5 Equations
Week #2 (July 18-21)	M	1.6 Inequality 1.8 Coordinate Geometry
	T	1.10 Lines
	W	1.10 Lines
	Th	Test 1
Week #3 (July 25-28)	M	2.1 What is a function?
	T	2.2 Graphs of Functions
	W	2.4 Transformations of Functions
	Th	2.5 Quadratic Functions; Maxima and minima
Week #4 (August 1-4)	M	2.7 Combining Functions
	T	2.8 One-to-one functions and their inverses
	W	3.1 Polynomial Functions and their graphs
	Th	Test 2
Week #5 (August 8-11)	M	3.2 Dividing Polynomials
	T	3.3 Real Zero Polynomials
	W	3.4 Complex numbers
	Th	3.5 Complex zero and the fundamental theorem of algebra
Week #6 (August 15-18)	M	3.5 Complex zero and the fundamental theorem of algebra
	T	3.6 Rational Functions
	W	3.6 Rational Functions
	Th	Test 3
Week #7 (August 22-24)	M	10.1 Parabola 10.2 Ellipses
	T	10.3 Hyperbolas
	W	Comprehensive Final Exam