

## Syllabus - Math 107 Summer II

**Instructor:** Seyma Nur Ozcan

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Office: SAS 3223

Office hours: TTh 11:45am - 1:00pm and by appointment

Class times: MTWThF 9:50 - 11:20am

**Course Content & Goal:** Algebra and basic trigonometry; polynomial, rational, exponential, logarithmic and trigonometric functions and their graphs. The course content is designed as a Precalculus course for Math 131: Calculus for Life and Management Sciences or Math 121: Calculus for Business.

**Textbook:** Precalculus: Algebra and Trigonometry; 1<sup>st</sup> Edition by Burns-Williams; The book is delivered through WebAssign. Students will pay for the pdf version of the book and the homework assignments in one sum at the beginning of the semester through the WebAssign site for the course; <http://webassign.ncsu.edu> The course content of the book is also on Moodle once the semester starts. This is where the interactive part of the text is housed. You will see short lectures and quizzes- both “pretest” and “try-its” on the Moodle site.

\*Please see last page about the work you do in the modules to receive your “module grade”.

### Course Grade Components and Percentages

Module Pretests and Try-its	5%
WebAssign Homeworks	5%
3 tests (20% each)	60%
Final Exam	30%

### Dates of the Four In Class Tests and the Final exam

**Policy:** *No graphing calculators are allowed on tests or exam*

Test 1 (Modules 1-7) Wednesday, July 6

Test 2 (Modules 8-16) Tuesday, July 19

Test 3 (Modules 17-18  
And regions) Tuesday, July 26

Exam According to class time

**Please note these dates now!**

**Make Up Test Policy:** ([http://www.ncsu.edu/policies/academic\\_affairs](http://www.ncsu.edu/policies/academic_affairs)) that all anticipated absences must be excused in advance of the test date; these include University duties or trips certified by appropriate faculty or staff member. Emergency absences must be reported within one week of the event and can be documented by the Parent and Family Services (515-2441). Make-ups for oversleeping, car trouble, sickness can only be given on the day of the test so email or have someone email or call for you!

**Getting help:** Students must take responsibility for their own learning and seek help when needed. The instructor and lecture assistants all hold office hours but there is also a math help room in Sas 2105; the Multi-media Center has tutoring on a drop in basis Mon-Friday 8am-5pm <http://www.math.ncsu.edu/mmc>  
There is also help available through the Undergraduate Tutorial Services [http://www.ncsu.edu/tutorial\\_center](http://www.ncsu.edu/tutorial_center)

**Students with Disabilities:** Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, students must register with Disability Services for Students at 1900 Student Health Center, Campus Box 7509, 515-7653 <http://www.ncsu.edu/dso/>. For more information on NCSU's policy, see Academic Accommodations for Students with Disabilities Regulation.

**Code of Student Conduct** will be upheld. Documentation will be submitted to the Office of Student Conduct for students who violate University regulations on academic integrity. [http://www2.ncsu.edu/ncsu/stud\\_affairs/policies/code95.html](http://www2.ncsu.edu/ncsu/stud_affairs/policies/code95.html)

**Blue Books:** Each student is to turn in 4 blank blue books (small ones are standard). DO NOT WRITE ANYWHERE ON THEM! Please give them to a lecture assistant and have them check off your name.

**Attendance:** In accordance to the university policy, we must take and record your attendance. To start with, we'll take attendance all three days of the week; we may be able to make some days "optional review" days as the semester goes on and that will be announced through our Moodle site each week. There is *no difference between excused and unexcused absences*; five or fewer is considered "perfect" so do not use up these five "free" absences. There will be a "grade bonus" given for missing 5 or fewer classes added onto your WebAssign average.

## Math 107 Summer II Syllabus **Day by Day Schedule**

Date	Day	Text Section	Topic
Jun23	Th	Mod 1; Line	Lines Supplement and Functions; domain range
	Fri	Mod 2	Algebra of Functions
Jun27	Mon	Mod 3	Graphs of Basic Functions
	Tues	Mod 4	Piece-wise defined Functions
	Wed	Mod 5	Graphing functions by translations
	Th	Mod 6	Writing functions
	Fri	Mod 7	Quadratic Functions
July 4	Mon		No classes on Monday, July 4
July 5	Tues		Review Class
July 6	Wed		Test #1
	Th	Mod 8	Polynomial Functions
	Fri	Module 9	Rational Functions
Jul 11	Mon	Mod 10, 11	Composition of Functions, Inverse Functions
	Tues	Mod 12	Exponential Functions
	Wed	Mod 13, 15	Logarithms and Laws of Logarithms
	Th	Mod 15	Logarithms
	Fri	Mod 14, 16	Applications of Logs and Exponential Functions
Jul 18	Mon	Review	
Jul 19	Tues		Test #2
	Wed	Mod 17	Angles and Arcs
	Th	Mod 18	Right Triangle Trigonometry
	Fri	Regions	Supplement on Graphing regions and intersection points
Jul 25	Mon	Review	
Jul 26	Tues		Test #3
	Wed		Last day of classes – overall review

