**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; 1st 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 Tuesday, July 26

And regions)

Exam According to class time

Please note these dates now!

**Make Up Test Policy:** (<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>

**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 Conduce for students who violate University regulations on academic integrity. 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  July 5 | Mon  Tues |  | No classes on Monday, July 4  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 |