SAMPLE SYLLABUS

Instructor and Contact Information

Instructor: TBA
Office: Skiles 002, 404-894-2700
Office Hours: Tuesdays and Thursdays, 1:00-2:00 pm, and by appointment
E-mail: lastname@math.gatech.edu

Course Websites

Instructor's Web Page: http://people.math.gatech.edu/~lastname
Course Information: T-square (*required*)
Textbook/Homework Access: http://www.mymathlab.com (*required*)
On-line Discussions: www.piazza.com (*highly recommended*)

Course Description and Learning Outcomes

Course Title: Support for Precalculus
Course Meeting Times: Class meets Tuesdays and Thursdays from 9:00-10:00 am in Skiles 257.

Textbook: Precalculus, Ratti and McWaters, 2nd Edition

At the conclusion of Support for Precalculus, it is expected that:

- Students have a competent understanding of functions and function arithmetic.
- Students have mastered basic concepts of exponential, logarithmic, and trigonometric functions.
- Students are able to sketch graphs of multiple algebraic and transcendental functions without the use of a calculator.
- Students are able to solve above problems individually and in a group setting.

Course Organization and Participation

This course meets twice per week. You are required to attend all scheduled sessions at all times.

As your instructor, my role is to link this support class to the topics covered in the Math 1113 lecture, provide you with ample assignments and assessments to gauge your understanding and knowledge of the subject matter, provide feedback on your performance, and be available for assistance when needed.

As students, you are expected to take your responsibility seriously, attend and participate in all of the class meetings, behave in a respectful manner to your instructor and fellow students at each class meeting, complete all assignments in a timely and professional manner, study the subject matter outside of class time, and ask for help when necessary.

Course Requirements and Grading

PARTICIPATION: As the goal of this class is to support your progress in Precalculus, the sessions will be run in an interactive manner. At each meeting, students will be expected to complete problems that reinforce the material taught in the previous lecture. The instructor may ask students to work separately or in groups on these problems. Problems will be collected and graded at the end of each class period.

HOMEWORK: You are expected to complete all assigned homework, in a timely manner, for the Math 1113 course in which you are enrolled.

Final grades will be determined as follows:

Class Participation: 15%
Graded Problems: 85%

Students earning a minimum of 70% overall in the course will receive a satisfactory grade (S*) in the course. Students with averages below 70% will receive an unsatisfactory grade (U*) in the course.

Midterm grades will be assigned on **September 25**. A satisfactory grade will be assigned to all students with a midterm average of 70% or higher (based on the above weighting of grades).

Class Policies

Attendance: You are expected to come prepared and actively participate in every class session. In the event of an absence, you are responsible for all missed materials and any additional announcements or schedule changes given in class.
Class disruptions of ANY kind will NOT be tolerated and may result in your removal from the classroom and/or loss of participation points for that day.
Please show courtesy to your fellow classmates and instructor by adhering to the following class rules:

- Turn off all laptops, cellular phones, i-pods and other electronic devices, unless you have a *documented* need to use such devices for note-taking, during class.
- Come to class on time and stay for the entire class period.
- Refrain from conversing with your fellow students about topics outside the scope of the course.
- Put away any reading materials unrelated to the course.

Academic Dishonesty: All students are expected to comply with the Georgia Tech Honor Code (the honor code can be found at http://www.policylibrary.gatech.edu/student-affairs/code-conduct). Any evidence of cheating or other violations of the Georgia Tech Honor Code will be submitted directly to the Dean of Students. Cheating includes, but is not limited to:

- Using an unapproved calculator, books, or any form of notes on tests.
- Copying directly from **any** source, including friends, classmates, tutors, internet sources (including Wolfram Alpha), or a solutions manual.
- Allowing another person to copy your work.
- Taking a test or quiz in someone else's name, or having someone else take a test or quiz in your name.
- Asking for a regrade of a paper that has been altered from its original form.
- Using someone else's clicker to gain attendance points or to take quizzes or tests for them, or asking someone else to use your clicker for any graded or attendance submission.

Regrading of Papers: If a problem has been graded in error, you must submit a regrade request to me **in writing,** along with your paper, no more than *one week* after the papers have been returned in class. Should you wish to have your paper regraded, *do not change or add to the work on your paper*! If you must write on your returned paper, be sure to write in a different color ink and clearly indicate what you have added.

Make-Ups: No make-ups will be provided for missed class materials. In an emergency situation, you may work an alternate problem set during my office hours if I am notified prior to class and provided with a reasonable, **written** confirmation of your absence. If you will miss a class due to a university-sponsored event or athletics, please provide me with the official documentation in advance.

Students with Disabilities and/or in need of Special Accommodations: Georgia Tech complies with the regulations of the Americans with Disabilities Act of 1990 and offers accommodations to students with disabilities. If you are in need of classroom or testing accommodations, please make an appointment with the ADAPTS office to discuss the appropriate procedures. More information is available on their website, http://www.adapts.gatech.edu. Please also make an appointment with me to discuss your accommodation, if necessary.

Calculators: While you may need a scientific calculator for help with some of the homework problems, the use of calculators is NOT ALLOWED on in-class assignments.

Announcements: I will frequently update the class pages with class information and materials. *You are responsible for obtaining any announcements or materials placed on my web page* (http://people.math.gatech.edu/~lastname), *MyMathLab* (mymathlab.com), *or T-square* (https://t-square.gatech.edu). Though not required, it is also to your advantage to join our class page on Piazza (www.piazza.com) so you can view/participate in course-related discussions.

Additional Help: *Asking questions is a key to success!* Please stop by my office hours whenever you have questions.

Free walk-in help is also available Monday-Thursday afternoons in the **Math Lab**, located on the second floor of Clough Commons in room CULC 280. The math lab is staffed by math graduate students and is open at the following times:

- Mondays and Wednesdays, 1:00-6:00 pm
- Tuesdays and Thursdays, 2:00-6:00 pm

Please note: *items on the syllabus and course schedule are subject to change. Any changes to the syllabus and/or course schedule will be relayed to the students in class and through e-mail.*

Important Dates Throughout the Term

17 August – First Day of Classes
7 September – Labor Day (no class)
25 September – Progress Reports Due
10-13 October – Fall Recess (no class)
25 October – Last day to withdraw with a grade of "W"
26-27 November – Thanksgiving Break (No Class)
4 December – Last Day of Classes

Tentative Course Schedule

Please use this as an approximate class schedule; section coverage may change depending on the flow of the Precalculus course.

Week and Dates	***Section Coverage***	***Topics***
Week 1	1.1-1.3	Graphs of equations Lines and Functions
Week 2	1.4-1.5	Functions Transformations of Functions
Week 3	2.1-2.2	Quadratic and Polynomial Functions
Week 4	2.5	Rational Functions
Week 5	3.1-3.2	Exponential and Logarithmic Functions
Week 6	3.3	Rules of Logarithms
Week 7	3.4-3.5	Exponential and Logarithmic Equations
Week 8	4.1-4.2	Angles and the Unit Circle
Week 9	4.3	Trig Functions
Week 10	4.4-4.5	Graphs of Trig Functions
Week 11	4.6	Inverse Trig Functions
Week 12	5.1-5.2	Trig Identities and Equations
Week 13	7.1-7.2	Systems of Equations
Week 14	8.1-8.3	Analytic Geometry
Week 15	Final Exam Review	Final Exam Review