

MAT1375 Section D565

Meetings: N719 TTh 8:00-9:40

Instructor: Dr. Johann Thiel

Office Hours: 10:00-12:00 T in N724

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Description: Topics include an in-depth study of functions such as polynomial functions, radical functions, rational functions, trigonometric functions, exponential and logarithmic functions; connections to vectors and complex numbers; solving trigonometric equations, and identities involving sum, double and half-angle formulas; Binomial Theorem and progressions.

Text: "Precalculus", Tradler and Carley, Second Edition. The textbook is freely available from:

<http://websupport1.citytech.cuny.edu/faculty/ttradler/precalculus.html>

Calculator: A graphing calculator is required for this course. Make sure to always bring one to class. You will not be allowed to use cell phone calculators during quizzes and exams. We will be using TI-84 in this course.

Prerequisites: MAT1275/MA275

Evaluation: Your final grade will be calculated as:

WebWork (5%) + Daily Quizzes (10%) + Tests (60%) + Final Exam (25%).

Then I will assign a letter grade based on the following scale:

A	=	93	-	100	C+	=	77	-	79.9
A-	=	90	-	92.9	C	=	70	-	76.9
B+	=	87	-	89.9	D	=	60	-	69.9
B	=	83	-	86.9	F	=	0	-	59.9
B-	=	80	-	82.9					

W = withdrawal up to 11/9/2015

WF = withdrawal up to 12/10/2015

- **Practice Problems:** It is crucial that you stay on top of the homework in this class. A list of practice homework problems assigned from the textbook is distributed on the first day. You should solve as many problems as possible. They will not be collected, but they will help you prepare for tests and quizzes.
- **WebWork:** You will complete assignments online using WebWork. The link to our section's WebWork page can be found below. You will have one week to complete each set of sections assigned at the end of each class.

- **Daily Quizzes:** There will be a 10-minute quiz at the start of every meeting. Problems on the quizzes will be similar to WebWork problems and serve as a check that you understand the material. You cannot make-up a missed quiz, but you can drop one quiz for every five you take.
- **Tests:** There will be three 100-minute tests on **September 29, October 22, and November 19**. If you miss a test for a verifiable reason (for example, illness or family emergency) you must notify me as soon as possible and provide a written verification from an appropriate authority (not a family member), otherwise you will score 0 for that test. Personal travel is not a valid excuse. Your lowest test grade will NOT be dropped, but it will only count for 10% while the other two grades will count for a total of 50% of your final grade.
- **Make-up exams:** You are expected to take all quizzes and tests. There will be no make-up quizzes/tests under any circumstance. Any missing quiz/test will be counted as zero. No extra time will be given in quizzes/tests to students who arrive late.
- **Final Exam:** The final exam will be a one-session exam based on the whole term. It will be on the last day of classes, **December 17**. It is the responsibility of each student to be available at the time of the examination. You must take the final exam in order to pass the course.
- **Class participation:** At the discretion of the instructor, there will be extra credit available (to a maximum of 2 points on your final grade) for writing homework solutions on the blackboard and answering questions in class.

Attendance: You are expected to attend all classes and are responsible for all the material covered. Attendance is required and will be taken at the beginning of each class. Lateness and students leaving before the end of the class period will be recorded. If you arrive late, you are responsible for letting me know at the end of the class. The official Mathematics Department policy is that two lateness (this includes arriving late or leaving early) is equivalent to one absence. In this course a student may have 3 absences during the semester without penalty. After 3 absences, the penalty will result in a grade reduction; in excessive cases, you may be asked to withdraw from the course. Students are responsible for obtaining all the information from classes that they miss with classmates as soon as possible. Note: Attendance alone is not enough to guarantee a passing grade.

Academic Integrity: Academic dishonesty is prohibited in The City University of New York and at New York City College of Technology and is punishable by penalties, including failing grades, suspension, and expulsion. The complete text of the College policy on Academic Integrity may be found in the catalog.

Preparation

You will be expected to come to class having already completed the reading and having looked at the textbook practice problems for the upcoming lesson. By studying the material before each class you will be ready to discuss the material in more depth and have specific questions to ask about parts of the material that may be giving you difficulty.

Participation

A part of the class that will benefit you comes from how you interact with the others. I encourage you to present problems, contribute your ideas and insights, work in groups, and ask questions.

Course Website:

The course website can be found by looking at my homepage here:

<http://websupport1.citytech.cuny.edu/Faculty/jthiel/welcome.html>

WebWork Link:

The course WebWork website can be found here:

<http://mathww.citytech.cuny.edu/webwork2/MAT1375-F15-Thiel/>