

# Westfield State University -- Department of Mathematics

Pre-Calculus: Online

**Math 104, Fall 2014**

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<b>Class Meets:</b>	Online	<b>Office Hours:</b>	Online: T, TH 6-8PM or by arrangement.

## Welcome!

This course is designed to bridge concepts from a general secondary education mathematics background to a college level Calculus I course. We will cover an in depth exploration of functions, complex numbers, trigonometry, as well as logarithmic and exponential functions. A strong background in Algebra and Geometry is necessary for successful completion of this course. It is recommended that you complete the pretest self assessment during the first week of the course to make sure you are ready for the content we will be exploring.

## Texts

Fundamentals of Precalculus 2nd edition by Mark Dugonpolski

Textbook Options:

1. MML Standalone Access Kit (Includes e-text) ISBN: 9780321199911 (online text only)
2. 3 Hole punch book + MML (Includes e-text) ISBN: 9780321786449 (online text with a pdf copy)

**Important Course Note: This course is completely online, including office hours.**

## Prerequisites and Suggestions:

- ✓ Having at least a strong Algebra 2 background is recommended. Experience with trigonometry or a high school precalc course is even better.
- ✓ Being familiar with how to use the equation editor and insert equations in Microsoft Word or Google Docs is suggested. Some assignments will require you to complete work in this type of document to submit to me.
- ✓ **Having access to a scanner will be absolutely necessary** since some assignments may need to be scanned in for submission. If you do not have your own scanner, familiarize yourself with where scanners are located on campus, at your local library, or if a friend/neighbor has one you can occasionally use.
- ✓ Making sure that you are comfortable with using Plato is mandatory for success in this class. If you need assistance with Plato, visit or contact the Center for Instructional Technology (CIT) on campus.
- ✓ A notebook or binder to keep track of notes, homework and documents you choose to print.
- ✓ Graphing Calculator -- While the textbook mainly refers to ti-84 technology, you are welcome to use whichever graphing calculator you are most comfortable with or download apps for your phone as needed. (If you are tech savvy, you may want to look into Casio! They are far less pricey.)

## Course Requirements:

Homework Quizzes – Quizzes on homework assignments will be posted once a week.

Plato Assignments – Throughout the semester I will give assignments that need to be completed and posted to the discussion forums. For these assignments, you will be required to use Standard English along with correct grammar.

Exams – There will be two exams throughout the semester, a midterm and a final exam. Both are required.