

**Math 122-01 Precalculus – Spring 2012**  
**Dr. Marcus Wright – [wright@rowan.edu](mailto:wright@rowan.edu) – 856 256 4500 x 3888 –**  
**Robinson 229D**

**Office Hours: M, W 11 - 1, T, R 2 -3, and by appointment M - S**

To find my office to talk to me about any problems you're having:

1. Enter the Mathematics Dept. Offices by the door opposite the elevator on the second floor of Robinson.

2. Admire the **beautiful 4-dimensional dodecahedron** that is suspended above the desk of the common area where students can sit, study, and ask questions. (Down the hall is the Mathematics Learning Center, where you can always go to study and get help.)

3. My office is just to the left of this common area. It has a lot of camouflage on it. **The door is always open to you when I am there.** - My office hours: Office Hours: M, W 11 - 1, T, R 2 -3, and by appointment M - S

E-mail is best way to get in touch with me. I encourage you to use it freely to ask questions and give me feedback about the course.

A PUZZLE FOR YOU – it is an important tenet of my educational philosophy:

WHAT DOES THE FOLLOWING QUOTATION SAY?

*Τηε φοψ οφ λοοκινγ ανδ χομπρεηενδινγ ισ νατυρε'σ μοοστ βεαυτιφυλ γιφτ.*

Albert Einstein

Hint: the second word is joy.

**Text: Trigonometry, Eighth Edition, Ron Larsen Brooks/Cole**

**Required: A graphing calculator, such as the TI-83 or TI-84**

**Prerequisite: A serious course in algebra, such as our College Algebra. It will be assumed that you are familiar with functions.**

**OBJECTIVES:** At the conclusion of the course the students will be able to:

1. Manipulate and evaluate algebraic, exponential, logarithmic and trigonometric functions, and their inverses.
2. Graph algebraic, exponential, logarithmic and trigonometric functions and their inverses.
3. Solve applied problems involving the use of algebraic and transcendental functions.

**Attendance and Plagiarism/Cheating:** The official university policies will be in effect. You can find these policies described near the beginning of the printed course schedule for any semester, or you can search for this information at rowan.edu. See also [http://www.rowan.edu/studentaffairs/main\\_office/Publications/Infoguide.pdf](http://www.rowan.edu/studentaffairs/main_office/Publications/Infoguide.pdf)

You are expected to attend every meeting of the course. Please give me a WRITTEN explanation of any absence. **You are responsible for every verbal or written announcement made in class.** Home work assignments will be announced OR HANDED OUT at the beginning of class.

Please see me soon if you have a disability that requires accommodation.

**CHEATING on a test will result in an F for that exam - and possibly other consequences. I consider cheating as morally and ethically VERY, VERY wrong! It is morally wrong because it damages you as a person, as well as others. It is ethically wrong because it gives you an unfair advantage. PLAGARISM WILL ALSO BE DEALT WITH SIMILARLY. See link above.**

IF YOU HAVE ANY QUESTIONS ABOUT THESE ISSUES ASK THEM TODAY OR SOON.

**CELL PHONES AND COMPUTERS: MUST BE TURNED OFF DURING CLASS.  
PLEASE MAKE EVERY EFFORT TO GET TO CLASS ON TIME.**

#### TENATIVE OUTLINE

Grading:      Weekly quizzes \_\_\_\_\_ 25%  
                  3 tests given in class \_\_\_\_\_ 70%  
                  (Last test given during exam period. It will be on all topics covered after the second test and selected topics from throughout the course)  
                  Homework \_\_\_\_\_ 15%

**Material to be covered:**

**Chapter P: A review of Algebra and Functions  
→ Sections P.1 – P.7, P.9**

**Chapter 1: Trigonometry – Definitions, Graphs and Properties of the Six Trigonometric Functions and Their Inverses – Triangle Trigonometry**

**Chapter 2: Analytic Trigonometry – Trigonometric Identities, Trigonometric Equations.**

**Chapter 3: Two Additional Topics in Trigonometry – The Law of Sines and the Law of Cosines**  
→ Sections 3.1 and 3.2 only

**Chapter 5: Exponential and Logarithmic Functions**