

**MAT 171A**  
**PRE-CALCULUS ALGEBRA LAB**  
**Course Syllabus- Spring 2009**

**Instructor:** Ron Koppenheffer  
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(Please put MAT 171A in the subject line of any emails you send to me.)

**Office Hours:** Tu-Wed-Th 1:00-3:00 or by appointment

**Credit Hours:** 1.0      **Contact Hours:** 2.0

**Class Location:** Online Lab – [www.coursecompass.com](http://www.coursecompass.com)

**Class Meeting Times:** Weekly log-ins on MyMathLab

**Online Contact:** TTH (8:00am – 8:50am)

**Prerequisite(s):** MAT 080 or MAT 090

**Corequisite:** MAT 171

**Required Text:** Sullivan & Sullivan, *Algebra and Trigonometry Enhanced with Graphing Utilities*, fifth Edition  
ISBN: 978-0-13-600492-9

**Calculator:** A scientific calculator is **required** for this course. I suggest a TI-83 or equivalent.

**Course Description:** This course is a laboratory of MAT 171. Emphasis is placed on the experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural science/mathematics.

**Course Goal:** Upon completion, students should be able to solve practical problems and use appropriate models for analysis and prediction.

**Course Specific Competencies:** Upon successful completion of the course, the student will be able to:

- Visualize the dual roles of geometry and algebra.
- Define, graph, perform operations on, and apply functions.
- Solve equations and inequalities containing a single variable.
- Evaluate polynomial functions and rational functions.
- Solve polynomial and rational equations.
- Solve equations and inequalities containing two or more variables.

**Reinforcement Experiences for General Education Cross-Curriculum Competencies:**

- Communicate effectively in speaking, writing, reading, and listening.
- Locate, evaluate, and use information to analyze problems and make logical decisions.
- Apply math skills and/or natural science knowledge appropriately to organize, analyze and make information useful.
- Develop the ability to succeed as a self-directed learner.

**Grades:** Your grade will be based on lab assignments and quizzes. Labs will be available at the completion of each section. Quizzes will usually be due one to two days after a lab. Make-up labs and quizzes will not be given.

Once you begin your quiz, you will only have 40 minutes to complete it. The quiz content will come from the lecture for the section and the skill building exercises from the text- see MAT 171 WD6 Syllabus. YOU MUST COMPLETE THE QUIZ ONCE YOU HAVE STARTED IT. You will not be able to restart a quiz.

Your lowest lab and quiz grade will be dropped before calculating your final average. Your quizzes will account for 50% of your final grade and your labs the other 50% of your final grade. There will **no** final exam in MAT 171A.

It is your responsibility to ensure that your labs and quizzes have been successfully submitted, received and processed. Current grade information is available with the software used for labs and quizzes.

Grades are assigned using the following scale:

- 90 – 100%     A
- 80 – 89%     B
- 70 – 79%     C
- 60 – 69%     D
- below 60%    F

**Free Math Tutoring is available to students in Ferguson 118!**

**Monday-Thursday 9:00 am to 6:00 pm**

**Friday 9:00 am to 1:00 pm**

(Please see me for permission slip to use these services. They are very helpful.)

**For more details about this class and its corequisite MAT 171, please see the syllabus for MAT 171**

*This syllabus has been prepared for the convenience of the students and instructor. Changes are sometimes necessary during the course of the class. Any changes will be given to students in class verbally and/or in writing.*

**Course Syllabus  
MAT 171A O1  
College Algebra Lab**

**Your Acknowledgement:**

I have been provided access to the course syllabus, understand what is expected of me, and agree with the provision set forth in the syllabus.

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Your Name

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Your Student ID Number

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Your signature

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Date