

# Columbus State Community College Mathematics Department Course Syllabus

Course Number: **MATH 102**      Course Name: **Beginning Algebra I**      Quarter/Year:   **AU / 09**    
Revised 10/20/09

Prerequisite: **DEV 031 with a grade of "C" or higher, or placement by COMPASS**

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## *Description of the Course*

This course is a remedial preparatory course designed to improve the student's algebra and problem solving abilities. The course includes: the real number system; order of operations; simplifying expressions; solving linear equations and inequalities in one variable; applications and modeling; overview of graphing; linear equations in two variables; and relations and functions. These topics are taught using an approach that integrates algebraic, graphic and numeric methods whenever possible.

## *Goals of the Course*

To improve the student's algebra and problem solving abilities. To prepare students (most of whom plan to take MATH 103, Beginning Algebra II) for further study in mathematics.

## *Required Textbooks and Equipment*

Intermediate Algebra, A Graphing Approach, Martin-Gay/Greene, Prentice Hall, 4<sup>th</sup> Edition, 2008

If purchased new, this text is sold in combination with MyMathLab (MML) software.

**The CourseID for MML is: pearce39944**

**This text will also be used for MATH 103 and MATH 104.**

Texas Instruments' TI-83 or TI-84 Graphing Calculator

The Columbus State bookstore has both new and a limited number of used graphing calculators for sale.

Note: Graphing calculators such as the TI-89 and TI-92 that perform symbolic manipulations are not allowed. A video detailing the use of the graphing calculator is available at:

<http://www.csc.edu/docs/math/videoplayer.html>

This should be viewed by anyone using the graphing calculator for the first time.

For additional assistance using the TI series of graphing calculators, see websites below:

<http://calculator.maconstate.edu/>

[http://www.prenhall.com/divisions/esm/app/calc\\_v2/](http://www.prenhall.com/divisions/esm/app/calc_v2/)

[http://hotmath.com/graphing\\_calculators/ti84\\_movie\\_index.html](http://hotmath.com/graphing_calculators/ti84_movie_index.html)

## *Tutoring Resources*

The following are ways of obtaining free tutoring:

1. The Learning Resource Center (DH room 313) during the posted hours. **You will be required to sign in and out using your CougarID number.** Tutoring is also available at the Dublin, Westerville and Southeast branch locations. LRC hours at these locations change each quarter.
2. Peer Tutoring – sign up in Aquinas Hall room 241 for this. (A walk-in tutoring session is held in DH room 404 on Saturdays from 9am–1pm.)

## *Units of Instruction*

1.1–1.8, 2.1–2.6, 3.1–3.2