## Course Title
College Algebra

## Course Number
MAC 1105 CRN 10889

## Prerequisites
Credit level MAT 1033 Minimum Grade of C or suitable placement score

## Credit Hours
3.0

## Contact Hours
45.0

## Class Meeting Times
TTh 7:00 -8:15pm in Room C-234

## Class Method
Traditional face-to-face

## Instructor
Robert(Bob) Lenich  
robert.lenich@fkcc.edu  
Office # C 212  
Office # 305-809-3528

## Office Hours
See Attached Schedule

## Course Description
This course is a study of functions and their properties. The functions studied include polynomials, rational, absolute value, radical, exponential, and logarithmic. Properties include functional notation, domains, ranges, graphs, operations, and inverses. Application problems are designed so that they can be applied to practical situations.

## Course Objectives
Upon completion of the course, the student will be able to demonstrate knowledge—by successfully answering questions on an objective examination—of the following topics:

1. Calculate slope and average rate of change
2. Determine the equation of the linear function from information provided.
3. Solve linear and absolute-value inequalities
4. Determine the domain and range of a function
5. Recognize whether functions are one-to-one or many-to-one
6. Solve linear, quadratic, higher degree polynomial, rational, exponential and logarithmic equations
7. Graph linear, quadratic, polynomial, rational, exponential, and logarithmic functions
8. Solve real world problems that model linear, quadratic, or exponential functions.
9. Solve linear and nonlinear systems algebraically or graphically.
Required Textbook: MyMathLab Student Stand Alone Access Kit (Blitzer: Algebra & Trigonometry: An Early Functions Approach, 2e)

Publisher: Pearson
Author: Blitzer
ISBN: 032158703

Textbook Note: If you have a MyMathLab account with Pearson, simply engage the function that enrolls you in a new course using the CourseID lenich12882. If you have never used MyMathLab before, simply follow the directions in the following text box. Regardless of whether or not you have an access code, temporary access is free for 14 days!

Directions for Creating Your Pearson MyMathLab Account

(1) Click here: www.pearsonmylabandmastering.com.

(2) Next click on “Student” under the “Register” heading at the right side of the screen.

(3) You will be redirected to a page and asked to “Enter Your Course ID”. In the field marked “Course ID” enter lenich12882. You will be redirected to a new page.

(4) If you already have an account with Pearson, enter your “Username” and “Password”. Otherwise, you will need to follow the steps after clicking on “Create”.

(5) After you complete step 4, you should be redirected to a screen that asks you to either use an access code, use a credit card or paypal, or register with temporary access. It is thus possible for each student to register for access on the first day of class. Once you have completed this step, you should be asked if you wish to go to the course and the registration should be complete!

Student Evaluation and Course Policies
The lowest 3 homework scores will be dropped. Each homework will count as 2% of course grade. Homework will account for 34% of the course grade. Each of the regular tests will count as 15% for a total of 45% and the final will count as 21%. The table below will be used to assess a final course grade based on that number.

<table>
<thead>
<tr>
<th>STUDENT GRADE DETERMINATION</th>
<th>FKCC GRADING SCALE</th>
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</thead>
<tbody>
<tr>
<td>45% Topic Tests (15% per Test)</td>
<td>90-100% A</td>
</tr>
<tr>
<td>34% Homework Assignments Highest 17 at 2% each</td>
<td>80-89% B</td>
</tr>
<tr>
<td>21% Final Exam</td>
<td>70-79% C</td>
</tr>
<tr>
<td>100% Final Grade</td>
<td>60-69% D</td>
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<td></td>
<td>Below 60% F</td>
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Test/Final Exam Policies

- The use of all mobile devices is strictly prohibited during tests and the final exam. Prior to each test and the final exam, you will be notified whether or not you may use a calculator.
- Makeups for the Final Exam may be offered to students with emergencies, but only if they can provide acceptable documentation of the emergency.
- There will be no makeups for the other three tests.

Homework Policies

- To help you succeed in this course, you should do all of the MyMathLab homework assignments by the due date specified in MyMathLab.
- Homework is due on Sunday at midnight for the material covered during the week.
- Assignments can be completed after the due date with a 10% penalty.

Classroom Policies

- It is expected that you will attend and be present from the beginning to the end of all class meetings. Attendance will be taken at all class meetings and reported to the college as required.
- Mobile devices need to be silenced during all class meetings.
- Academic dishonesty will not be tolerated and will result in no credit for the assignment/test/exam in which it occurs, and possible notification to the Dean of Student Affairs and Accreditation.

E-mail Communication: All class e-mail communications should be conducted using your FKCC student email address. The prime responsibility for timely communications rests with you - the student.

Important Note: If I have not responded to your email or voicemail message by the end of the day after you left the message, you should assume that I did not receive it and leave another message. Email is the best means of communication with me.

Reading Assignments and Homework

1. To succeed in this course, you should do all assigned textbook readings and review class notes frequently.

Attendance Policy

1. I will monitor student attendance and participation in educational activities on a weekly basis.
2. Students who do not regularly participate in class by submitting the assignments that are due each week, or are considered absent for more than two weeks during the semester, are subject to administrative withdrawal at any time without notice.
3. An instructor may withdraw a student from courses for excessive absences and/or non-attendance up to the 70% point in the semester.

Special Needs

If you have special needs as addressed by the Americans with Disabilities Act (ADA) and need assistance, please notify the Office for Students with Disabilities at 305-809-3269 via email at: Suzy.park@fkcc.edu or the course instructor immediately. Reasonable efforts will be made to accommodate your special needs.

Community Decorum

A positive learning experience depends upon respect among all members of this classroom community. Disregard or disrespect for the process, the group or toward any individual will result in removal from the class and may result in you being dropped from the course.
Sexual Predators

Federal and State law requires a person designated as a “sexual predator or offender” to register with the Florida Department of Law Enforcement (FDLE). The FDLE then is required to notify the local law enforcement agency where the registrant resides, attends or is employed by an institution of higher learning. Information regarding sexual predators or offenders attending or employed by an institution of higher learning may be obtained from the local law enforcement agency with jurisdiction for the particular campus, by calling the FDLE hotline (1-888-FL-PREDATOR) or (1-888-357-7332), or by visiting the FDLE website at

www.fdle.state.fl.us/sexual_predators.

If there are questions or concerns regarding personal safety, please contact the Campus Security Officer on your campus.

Copyright Notice

The materials and content provided in this course are intended only for registered Florida Keys Community College students who have paid their tuition and fees to attend this course. Materials that are affected include, but are not limited to, text, still images, audio recordings, video recordings, simulations, animations, diagrams, charts, and graphs. Every effort has been made to insure these materials are not disseminated to anyone beyond those who have legally registered for this course. Download, revision, or distribution of course material with anyone other than registered classmates and the instructor is strictly prohibited.

Policies in this syllabus are subject to change if the instructor deems necessary and appropriate.

Students are expected to familiarize themselves with FKCC Policies, which can be found in the current Student Handbook.