MAC1105 – College Algebra
20172 (Spring 2017)
Ref# 565314, Session 1, 01/09/2017 - 05/04/2017
Days/Times: TR 0800-0915

Instructor: Mr. Christopher Foley Office: #234 (Coral Springs)

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Campus Safety: (954) 201-HELP (4357) BC Emergency Hotline: (954) 201-4900

Office Hours: 10:55-11:30 T R

COURSE DESCRIPTION:
A college algebra course containing topics such as solving, graphing and applying linear, and quadratic equations, and inequalities; exponential and logarithmic properties; linear, quadratic, rational, absolute value, and square root functions; operations, compositions, and inverses of functions; and systems of equations and inequalities, all with applications throughout the course.

PREREQUISITE: Recommendation by the Mathematics Department or completion of MAT1033 (Intermediate Algebra) with a grade of "C" or better.

TEXTBOOK: Algebra & Trigonometry Custom Edition, Blitzer, Pearson. If you plan on taking any of MAC1114, MAC1140 or MAC1147 in the near future, then the recommended textbook is Algebra & Trigonometry 5ed (hardcover), Blitzer, Pearson.

ATTENDANCE:
Class attendance is required. A student is allowed up to four absences for the entire term. Each tardy arrival or early departure will be recorded as a half-absence. Any student who accumulates more than four absences before the withdrawal date will be administratively withdrawn from the class and will receive a "W" or, if it is the third attempt, will receive an "F". A student who accumulates more than four absences after the withdrawal date will receive an "F" for the course. It is the student's responsibility to keep up with the class in the event of an absence. Exceptions may be made for non-penalized absences (religious holy day observances in his/her faith, the student's serious illness, death in the family, or attendance to statutory governmental responsibilities). Documentation for non-penalized absences shall be presented by the student should the faculty member request it.

WITHDRAWALS:
Should it become necessary, it is the student's responsibility to withdraw from the course and to verify that the withdrawal is properly recorded through the Registration Office. College-wide deadlines are strictly observed. The final withdrawal deadline for this course is **March 24, 2017**. The withdrawal deadline applies to all students, instructors, and administrators. No withdrawals can be processed after the official withdrawal deadline.

AUDITS:

Students who wish to audit this course must do so through the Registration Office with the instructor's written approval. College-wide deadlines are strictly observed. Students who audit this course must adhere to the attendance policy. Auditing students who fail to meet the attendance requirements will be withdrawn from the course. The audit deadline for this course is March 24, 2017.

CONDUCT AND ACADEMIC HONESTY:

1) Electronic devices that emit audible signals (e.g. beepers, cellular phones, etc.) must be set to silent mode or turned off during class.
2) College policy prohibits you from eating in the classroom and from bringing children or guests to class.
3) Students are expected to adhere to the college's policies on conduct and academic honesty as stated in the BC Student Handbook and the college catalog. Violations of these policies will not be tolerated. In particular, cheating on any quiz or test will result in a zero for that grade and the zero will not be dropped. If a second offense should occur, the student will receive a failing grade for the course. If a student is seen with any electronic device during an assessment, it will be assumed that the student is cheating.

ACADEMIC SUPPORT:

1) The Math Lab at the Academic Success Center (ASC) at Broward College is here to ensure your success in this class. You will benefit from an array of academic support services provided in a comfortable, collaborative atmosphere specifically designed to advance your academic achievement. Statistics show that students who use the ASC early and often are more successful than those who do not. Here are just some of the services provided at the ASC:
    - Academic Support Labs (Science Center, Math Lab, Writing Center)
    - Collaborative Project Space
    - Graphing Calculators
    - Open Computer Centers (Printing)
    - Study Groups
    - Textbook Reserves
    - Tutoring by Certified Tutors (All subject areas)
    - And much more!

    For hours of operation and availability of tutors, visit the Math Lab in 62/141, call (954) 201-2260 or online at www.broward.edu/studentresources/lrc. Students may use the Math Lab at any time without an appointment for homework assistance, use of the computers to work on online homework, or to ask questions of the tutors. However, appointments are required for 1-on-1, hour long tutoring sessions. These appointments can be made at www.broward.mywconline.com.
2) Online tutoring is available through www.brainfuse.com. Brainfuse is an online, web-based tutors program available 24/7 to all student currently enrolled at Broward College at no additional charge. Students can chat online and work on a whiteboard with a tutor or submit questions. To access this free service, log into your BC student account and follow the live link.
3) Students are also strongly encouraged to see their instructor for help during posted office hours.

SEAHAWK SUPPORT:

The Seahawk Support Program is a coordination between students, faculty, the Office of Student Success and the Academic Success Center designed to support students in order to increase their

chances of success. If you are contacted by a representative of the Office of Student Success or the Academic Success Center, please take full advantage of this excellent opportunity to improve your success in this course.

GRADES:
There will be five 100-point tests, a 100-point *MyLabsPlus* grade, and a cumulative Final Exam. The lowest of the five test grades will be dropped at the end of the term. **The cumulative Final Exam grade cannot be dropped.** The following grading scale will be used.

Grade	Points	Percentage
A	537-600	90-100
B	477-536	80-90
C	417-476	70-80
D	357-416	60-70
F	Below 357	Below 60

$$\frac{\text{Test 1} + \text{Test 2} + \text{Test 3} + \text{Test 4} + \text{Test 5} - \text{Lowest Test Grade} + \textit{MyLabsPlus} + \text{Final Exam}}{600}$$

FINAL EXAM:
The final exam for this class is scheduled for Tuesday, May 2, 2017 at 8:30 AM.

TEST ATTENDANCE:
Attendance is mandatory on the day of a test. If a student is absent on the day of a test, the test grade will be recorded as a zero and this will become the lowest grade that is dropped at the end of the term. There will be no make-up exams. In the case of non-penalized absences (as stated in the Broward College Student Handbook) such as religious holy day observances in his/her faith, serious documented illness, death in the immediate family, or attendance to statutory governmental responsibilities, the final exam score can be used to replace the missing grade. In the case of these exceptions, the instructor must be notified in advance of the reason for the absence and be provided with documentation by the student.

MYLABSPLUS HOMEWORK:
In this course, students will use an online educational program titled *MyLabsPlus*, which comes bundled with the purchase of a new textbook. *MyLabsPlus* can also be purchased separately online (for students who purchase used textbooks). Students will have a set of homework problems to complete for each lesson covered in class. Completion of homework assignments is necessary for success in any mathematics course. *MyLabsPlus* can be used on any computer with internet access (including home computers that have internet access). Computers are also available in the Math Lab and in the Library.

To access *MyLabsPlus*, visit www.broward.mylabsplus.com. Your login name is your BC student ID number (no dashes), and your initial password is "broward". Once you use this generic password to log in for the first time, you are encouraged to change your password to something more secure by going to "My Profile". The first time you log in, you will also be asked to read and accept the End User Agreement. Finally, you will need to enter your access code, which is a 16-character alphanumeric code included with the purchase of your new textbook. Access codes can also be

purchased online with a credit card if you choose not to purchase a textbook. Once the access code is verified, you will not need to enter it again.

HOMEWORK:
There will be no extensions for assignments and no late assignments will be accepted.

MAC1105 Suggested Homework List and Pacing Guide (Blitzer)

All homework problems are odd problems only unless otherwise stated.

Dates	**Section(s)**	**Homework**
1/10	P.6 – Rational Expressions	p. 86 (1-71)
1/12	1.2 – Linear Equations and Rational Equations	p. 118 (31-49, 71, 75-79)
1/17	1.4 – Complex Numbers	p. 142 (1-43)
1/19	1.5 – Quadratic Equations	p. 160 (1-107, 145-149)
1/24	1.6 – Other Types of Equations	p. 178 (1-29, 41-59)
1/26	1.7 – Linear Inequalities and Absolute Value Inequalities	p. 195 (1-93)
1/31	TEST 01	
2/2	2.1 – Basics of Functions and Their Graphs	p. 224 (1-91)
2/7	2.2 – More on Functions and Their Graphs	p. 238 (13-31, 37-75)
2/9	2.3 – Linear Functions and Slope	p. 255 (1-59)
2/14	2.5 – Transformations on Functions	p. 282 (1-105)
2/16	2.6 – Combinations on Functions; Composite Functions	p. 297 (1-73)
2/21	2.7 – Inverse Functions	p. 309 (1-51)
2/23	2.8 – Distance and Midpoint Formulas; Circles	p. 319 (1-63)
2/28	TEST 02	
3/2	3.1 – Quadratic Functions	p. 343 (9-43, 61-67)
3/14	3.3 – Dividing Polynomials	p. 373 (1-15)
3/16	3.6 – Polynomial and Rational Inequalities	p. 420 (1-27, 43-59)
3/21	TEST 03	
3/23	4.1 – Exponential Functions	p. 451 (11-55)
3/28	4.2 – Logarithmic Functions	p. 465 (1-99)
3/30	4.3 – Properties of Logarithms	p. 477 (1-35, 41-77)
4/4	4.4 – Exponential and Logarithmic Equations	p. 489 (1-91, 107, 111)
4/6	4.5 – Exponential Growth and Decay; Modeling Data	p. 504 (1-19, 29, 31)
4/11	TEST 04	
4/13	8.1 – Systems of Linear Equations in Two Variables	p. 802 (1-45, 77-79)
4/18	8.2 – Systems of Linear Equations in Three Variables	p. 813 (1-23, 37-41)
4/20	8.5 – Systems of Inequalities	p. 847 (1-11, 27-43)
4/25	TEST 05	

4/27 REVIEW DAY