

MAC 1105 College Algebra  
WINTER 2014  
Professor A. Loschak

Building 5 / Room 106  
T/TH 12:30-1:45pm  
Ref. Number 469382

**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, square root, cubic, and reciprocal functions operations, compositions, and inverses of functions; and systems of equations and inequalities; all with applications throughout the course. Prerequisite: MAT1033, Intermediate Algebra with a grade of “C” or higher, or recommendation by the Mathematics Department.

**COURSE OUTCOMES** The students should be able to work with algebraic concepts. The students should be able to solve radical, quadratic, and rational equations, quadratic, rational, and absolute value inequalities. The students should be able to work with relations, functions, and their graphs. The students should be able to solve and graph logarithmic and exponential equations/functions. The students should be able to solve linear systems of equations.

**ATTENDANCE** Attendance at each class session is extremely important and is the responsibility of the student. There is no penalty for a student who is absent because of religious holy days, the student’s serious illness, a death in the immediate family, or statutory government responsibilities, all with documentation. Students attending through the aid of veteran’s benefits will lose those benefits if they do not attend. Students wishing to withdraw from the course should do so through the Registrar. **IF YOU WITHDRAW ONLINE, PRINT OUT A RECEIPT, FOR DOCUMENTATION.** The last day to withdraw from any class is March 24, 2014. If you stop attending class prior to the withdrawal date, you will be administratively withdrawn from class and you will receive a “W”, or if it is your third attempt, an “F.” If you stop attending class after the withdrawal date, you will receive a “WF” that will then be computed as an “F” in your GPA. To avoid this situation, you should remain an active learner in this class. Always communicate extenuating circumstances to me. Ongoing communication with the instructor is critical to your course success.

**GRADING** There will be four cumulative tests and a cumulative final exam. Course grades will be determined by averaging three of the four tests and the final exam. The lowest test score will be dropped (not the final exam). All students are required to take the final exam. If a student is absent on the day of a test, then that grade will be dropped in place of the lowest. If an absence is excused for the reasons listed above and the student requires a makeup, the instructor must be notified within 24 hours of the absence by email.

**GRADING SCALE** 90-100 A, 80-89 B, 70-79 C, 60-69 D, 0-59 F

**COURSE MATERIALS** Book: College Algebra - Essentials, 3<sup>rd</sup> edition, author Blitzer.  
All students are required to have a scientific calculator. Only these two models, (Texas Instruments) TI-30XA and TI-30XIIS, are permitted on tests.

**ALL STUDENTS ARE REQUIRED TO CHECK THEIR BC EMAIL & D2L EMAIL, DAILY.**

**INSTRUCTOR**  
**OFFICE**  
**HOURS**

TUE & THU  
4:15-7:15 pm

Building 7/Room 235  
(office) 954-201-4871  
Email: [aloschak@broward.edu](mailto:aloschak@broward.edu)

Instructor’s home phone number, for emergencies: 954-748-5498. Leave a clear message and a phone number with area code 954, to receive a call back.

## TENTATIVE SCHEDULE

Jan 7	Tue	P.6
Jan 9	Thu	1.2
Jan 14	Tue	1.4
Jan 16	Thu	1.5
Jan 21	Tue	1.6
Jan 23	Thu	1.7
Jan 28	Tue	2.1
Jan 30	Thu	TEST I
Feb 4	Tue	2.2
Feb 6	Thu	2.5
Feb 11	Tue	2.6
Feb 13	Thu	2.7
Feb 18	Tue	2.8
Feb 20	Thu	3.1
Feb 25	Tue	TEST II
Feb 27	Thu	3.3
Mar 11	Tue	3.5
Mar 13	Thu	3.6
Mar 18	Tue	4.1
Mar 20	Thu	4.2
Mar 25	Tue	TEST III
Mar 27	Thu	4.3
Apr 1	Tue	4.4
Apr 3	Thu	5.1
Apr 8	Tue	5.2
Apr 10	Thu	5.5
Apr 15	Tue	TEST IV
Apr 17	Thu	course review
Apr 22	Tue	course review

**CUMULATIVE FINAL EXAM: Thursday, May 1, 2014, 12:30pm - 2:20pm**

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