

Broward College
MAC1105 C – Corequisite College Algebra

Instructor:	Carlos Sotuyo	Term/Session:	Fall 2020, Session 1
Instructor's BC E-mail:	csotuyo@broward.edu	Reference No.:	674872
Office Hours:	MW, 10:20 -10:30 am	Class Days:	Mondays-Wednesdays
Office:	Online via blackboard	Class Time:	8:00 am – 10: 15 am
Math Department Phone Number:	(954) 201-6029	Classroom:	Blackboard (online)
Emergency Phone Number:	(954) 201-4357 (Safety) (954) 201-4900 (Hotline)	Withdrawal Date:	Aug 28, withdraw 100% refund Oct 28, withdraw with W.

PREREQUISITE:

None

COURSE DESCRIPTION:

This course meets the needs of students with myriad levels of mathematical experience by providing support for learning prerequisite skills. This course is delivered as a combination of lecture along with structured activities intended to give students the experience of doing mathematics on their own or in groups with instructor guidance. The algebra objectives of the course include factoring polynomials; simplifying radicals; operations on rational expressions; writing equations of lines and circles; solving and graphing the solutions of linear and quadratic inequalities; solving systems of linear equations; solving quadratic, absolute value, radical, rational, exponential, and logarithmic equations; and properties and analysis of relations, functions and their graphs. Applications appear throughout the class.

GENERAL OUTCOMES:

By the end of this course, the students will be able to:

- solve linear inequalities, find unions and intersections of sets, and write interval notation
- factor polynomial expressions using a variety of methods
- simplify radical expressions
- solve absolute value, quadratic, and radical equations; and quadratic inequalities
- perform operations with rational expressions and solve rational equations
- write and graph equations of circles and lines
- perform operations on, evaluate, analyze, and graph functions
- analyze and graph quadratic functions
- solve exponential and logarithmic equations, and graph exponential and logarithmic functions
- solve systems of linear equations graphically and algebraically, and solve applications

D2L/BCONLINE:

Checking your D2L/BCOnline course daily is mandatory. At times there may be crucial announcements posted in your D2L/BCOnline course such as possible class cancellations, revision of homework assignments, change in test days, important college notices, etc. Students are responsible for any information and assignments posted in the D2L/BCOnline course.

CONTACTING THE PROFESSOR:

Email the instructor at csotuyo@broward.edu or students may use the email tool within the D2L/BCOnline course to contact the instructor.

REQUIRED PURCHASE: COURSE PACKET (AVAILABLE IN BOOKSTORE)

The student should bring this packet to every class in a 3-ring binder.

REQUIRED FOR REMOTE DELIVERY OF THIS COURSE:

Students will need a reliable internet connection and laptop or desktop computer with functioning webcam capable of running Honorlock, the remote exam proctoring service we will be using. Please see Honorlock tab for system requirements. In addition, students are required to use an erasable whiteboard and marker(s) which will be used instead of scratch paper for every test. The student must show their erasable board as clean and unmarked to the webcam before they begin their exam.

Important: failure to comply with the policy (webcam, miniboard, markers) and get flagged by Honorlock, will have their exam invalidated.

CALCULATOR/MATERIALS:

Students will need a scientific calculator which may be used in class and on exams. Models such as the TI-30XIIS, TI-30XIIB, or TI-30XA are recommended. *Graphing calculators are NOT allowed. Cell phones may NOT be used as calculators.*

ALEKS 360 IS REQUIRED FOR MAC1105C:

In this course, students are required to use an online homework/educational program called ALEKS 360 (Assessment and Learning in Knowledge Spaces). This program which includes an eBook (electronic version of the textbook – the hard copy version of the textbook is available, but not required) can be accessed by using any electronic device with Internet access.

After reading this syllabus thoroughly, students will find in the tabs that follow guidance on access to and billing for ALEKS, and how to navigate and use. [Class Code: KE43H-QPQUR](#)

IMPORTANT INFORMATION ABOUT THE ALEKS INITIAL KNOWLEDGE CHECK:

The ALEKS Initial Knowledge Check determines a student's current knowledge of prerequisite topics required to be successful in MAC1105C and then customizes an individualized Learning Path or "Pie" to assist the student in learning any topics for which they need help. Due to the purpose of the Initial Knowledge Check, it is vital that the student answer all questions honestly to obtain the most accurate and helpful Learning Path. That is, the student should answer problems they do know without any references or assistance, and answer problems they do not know by clicking "I don't know". (Please see the Initial Knowledge Check Dos and Don'ts below.) The Initial Knowledge Check consists of 25-30 questions, and students should expect to spend approximately 75-90 minutes taking it. The student's individually determined Learning Path or "Pie" must be completed by the due date indicated in ALEKS.

The Initial Knowledge Check needs to be completed **WITHIN THE FIRST 48 HOURS** of the first class meeting. Not completing this on time may severely hinder the student's progress in ALEKS and in the course.

INITIAL KNOWLEDGE CHECK DOS AND DON'TS

DO:

- Be prepared to focus on the Initial Knowledge Check for 75-90 minutes.
- Have pencils, erasers, and plenty of scrap paper at hand.
- Show all work neatly on paper, numbering the problems, and boxing the final answers. (If instructed by your professor, you will hand this work in at the beginning of the next class meeting.)
- Take your time working out answers to problems you are confident in answering, and double check your answers before submitting.
- Use the "I don't know" button for problems you aren't sure of or have never seen before. You will not be penalized if you don't know something. By clicking "I don't know" you are letting ALEKS know that you need help, and help will be provided in your customized ALEKS Path. Be honest with your answers so that ALEKS can work to best help you.

DON'T:

- Use a textbook, notes, or computer aided math solving system of any kind to look up the answers to problems you don't understand.
- Receive assistance from another person (classmate, relative, friend, tutor, etc.).

Again, if you do not understand a problem in the Initial Knowledge Check, click "I don't know" so that you'll get the help you need in your customized ALEKS Path. Honesty yields the best results.

CLASSROOM POLICY:

Expected classroom conduct: Arrive on time, place your phone on silent-mode and stored away, be engaged in the day's lesson and activities, ask lots of questions, answer questions when appropriate, listen without interruption to your professor and fellow classmates while they are talking.

BROWARD COLLEGE STUDENT CODE OF CONDUCT:

The information below is part of the Broward College Student Code of Conduct to which all Broward College student must adhere: ([Click here to access the entire Broward College Student Code of Conduct.](#))

ELECTRONIC DEVICE POLICY:

To ensure the quality of the education environment, the use of electronic communication and entertainment devices, such as cell phone, iPods, tablets, etc. by students in the classroom is prohibited unless otherwise explicitly stated by the individual instructor. Therefore, all such devices must be inaudible and placed out of sight during class.

ACADEMIC DISHONESTY:

Faculty and staff are responsible for notifying the Dean of Students on the campus about possible violations of the Student Code of Conduct.

Student, your academic work must be the result of your own thought, research, or self-expression. Academic misconduct includes, but is not limited to the following: cheating, plagiarism, unacceptable collaboration, falsification of data, aiding and abetting dishonesty, unauthorized or malicious interference, hacking computer property or software, and online disturbances. Using electronic devices to store, retrieve, search for answers and/or share answers in testing environments is considered cheating and is not permitted. Please refer to the Student Code of Conduct Policy and the Student Code of Conduct section located in the Student Handbook for more information. All required class activities may be subject to submission to Turnitin.com for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for detecting plagiarism of such papers.

Types of Academic Dishonesty:

- **Cheating:** Is defined as obtaining or attempting to obtain, or aiding another to obtain credit for work by dishonest or deceptive means.
- **Plagiarism:** The use of words or ideas of the original creator without attribution as if they were your own. Plagiarism ranges from copying someone else's work verbatim and elaborating on or altering someone else's work.
- **Self-Plagiarism:** Submitting or reusing parts of a previous paper without referencing source it was first submitted. This includes retaking a course and turning in previously submitted papers and data.
- **Unacceptable Collaboration:** Using answers, solutions, or ideas that are the results of collaboration without citing the fact of the collaboration is improper.
- **Falsification of Data:** Making up or falsifying information and data. Examples include making up or altering data for an experiment or citing reference to sources you did not actually use.
- **Pay Services:** Employing an assignment writing service or having another write the paper for you.
- **Enabling:** Aiding and abetting another student in an act of academic dishonesty. Examples include giving someone a paper to copy and allowing someone access to your account.

- **Unauthorized or malicious interferences:** If one person deliberately interferes with the work or activities of another person on purpose to cause the other harm or irreparable damages. Academic honesty violations are considered a breach of policy and may result in academic penalties (zero points on the assignment/test in question, and/or a failing grade for the class), disciplinary action, and/or referral to the Dean of Student Affairs.

CONSEQUENCES FOR ACADEMIC DISHONESTY:

Acts of academic dishonesty will not be tolerated. Consequences for academic dishonesty or any other violation of the Student Code of Conduct may include receiving a grade of zero for any graded assignment on which the student cheated, receiving a grade of F for the course, being expelled from Broward College, having the violation recorded with Broward College's records, or being referred to the Dean of Students Office for counselling.

ATTENDANCE:

Students are required to attend all classes. If a class is missed, a grade of zero will be assigned for that day's class work. There will be no penalty for a student who is absent from academic activities because of religious holiday observance of their own faith, the student's serious illness, death in immediate family, or attendance to statutory governmental responsibilities. In such cases, it becomes the student's responsibility to make up work missed due to the absence, and the student must notify the instructor of the absence via email using the email tool in D2L, providing necessary documentation.

A student who does not attend class at least once within the first two weeks of class will be administratively withdrawn and receive a WN, or an F if it is the student's third attempt. A student may not withdraw from a class after the official college-wide withdrawal deadline. A withdrawal is considered an attempt. In case of W or WN, no refund will be given.

WITHDRAWALS:

It is the student's responsibility to withdraw from the course by the deadline, should they choose this option. The last day for withdrawal can be found at the top of this syllabus and under Academic Calendars at www.broward.edu. A student may not withdraw from a class after the official college-wide withdrawal deadline. After the withdrawal deadline, if there are extenuating circumstances supported by documentation, a student may apply to the Academic Standards Committee in the Office of Student Services for a withdrawal. A withdrawal is considered an attempt.

YOUR GRADE WILL BE DETERMINED AS FOLLOWS:

ALEKS LEARNING PATH (2%):

Check the calendar in ALEKS for Learning Path due dates.

ALEKS ASSIGNMENT (15%)

Check the calendar in ALEKS for all assignment due dates.

LEARNING ACTIVITIES AND GROWTH MINDSET ACTIVITIES (15%):

There will be 29 Learning Activities of which the 4 lowest grades will be dropped. There will be 6 Growth Mindset Activities. The Growth Mindset Activities may be accessed via D2L > Communication > Discussions. Lowest grades include grades of zero incurred due to absence, tardiness, or leaving class early.

TESTS (51%) & TEST POLICY:

Course consists of six units tests and a comprehensive final exam. All exams administered in ALEKS.

Be certain that you do not miss any tests. There are NO make-up tests, except for absences which occur due to religious holiday observance of one's own faith, the student's serious illness, death in immediate family, or attendance to statutory governmental responsibilities. In such cases, the student must provide necessary documentation and notify the instructor prior to the test day via email using the email tool in D2L. Check the course schedule in D2L and/or the calendar in ALEKS for dates of each of the tests.

FINAL EXAM (17%):

This is a mandatory, cumulative, administered via ALEKS. Check the course schedule in D2L and/or the calendar in ALEKS for the date of the Final Exam.

Your final grade will be a letter grade based on the following:

A: 90 - 100%

B: 80 - 89%

C: 70 - 79%

D: 60 - 69%

F: < 60%

W: Withdrawal if a student officially withdraws by deadline

WN: If the student does attend class in the first 2 weeks

XC: Audit is at the instructor's discretion

SUPPORT/STUDENT RESOURCES:

BOOTCAMP:

During the first two weeks of the semester, the Academic Success Centers on all three campuses will offer multiple identical sections of Bootcamp Day 1 and Day 2. These sessions will review topics pre-requisite to this course. Check the schedule in the Academic Success Center for days and times.

ACADEMIC SUCCESS CENTER (ASC):

ASC online services: <https://bc.mywconline.net/index.php>

The Academic Success Centers (ASCs) at Broward College are 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
- Open Computer Centers
- Study Groups
- Textbook Reserves
- Tutoring by Certified Tutors (All subject areas)
- And much more!

Please visit one of our locations or online at www.broward.edu/studentresources/lrc

Central Campus	North Campus	South Campus
University College Library Building 17; Room 217 954-201-6645	North Regional/Broward College Library Building 62; Room 141 954-201-2691	Building 72; Room 230 954-201-8692
Willis Holcombe Center	Miramar West Center	Pines Center
Building 33; Room 430 954-201-7595	Building 3101; Room 130 954-201-8462	Building 100; Room 148 954-201-3619

Tutor.com – is an online, web-based, tutoring program that is available 24/7 to all students currently enrolled at Broward College. Tutor.com supports student learning in most subject areas including accounting, anatomy and physiology, biology, chemistry, English, nursing, math and more. Students can chat online and work on a whiteboard with a tutor, submit questions, and get extensive feedback on essays and research papers. **Access Tutor.com here in D2L by clicking on the "Resources" in the navigation bar located at the top of the page.**

ACCESSIBILITY SERVICES: Academic Accommodations for Students with Disabilities

If you are requesting academic accommodations, you must first register with Accessibility Resources (contact information is provided below). Accessibility Resources will evaluate your request and determine eligibility. If approved,

you will be provided with an Accommodation Plan that you must deliver to me either electronically or in person. Once received, we will discuss which accommodations you are requesting for this class, and in accordance with Broward College policy 6Hx2-5.09 you will be provided with the appropriate accommodations. Students who wait until after completing the course, or an activity, to request accommodations should not expect any grade to be changed, or to be able to retake the course or activity.

- Central Campus, Willis Holcombe Center: [954-201-6527](tel:954-201-6527)
- North Campus, BC Online: [954-201-2313](tel:954-201-2313)
- South Campus, Miramar Centers, Pines Center: [954-201-8913](tel:954-201-8913)

SEAHAWK OUTREACH SERVICES:

The mission of Seahawk Outreach Services (SOS) is to assist students in distress, who may be experiencing extenuating circumstances outside of the classroom that threaten their ability to successfully enter and/or complete college - [click here for more information](#)

MENTAL HEALTH COUNSELING SERVICES:

As you pursue your education, you will encounter challenges that will affect your ability to be successful. Concerns about relationships, family, stress, body image, and drug and alcohol abuse can cause distress and problems with day-to-day living. This student success program is available to all full-time or part-time Broward College students. 24-hour Crisis Hotline: [954-424-6916](tel:954-424-6916) - [click here for more information](#)

MAC1105C Mon & Wed Schedule Fall 2020				
8/24/20	Mon	Day 1	Introduction and Orientation	
			1.4	Union and Intersection of Sets
8/26/20	Wed	Day 2	Growth Mindset Module 1 - Intro to Growth Mindset	
			1.5	Linear and Compound Inequalities
			2.3	Greatest Common Factor
8/31/20	Mon	Day 3	Growth Mindset Module 2 - Time Management	
			2.4	Factoring Trinomials
			2.5	Factor a Difference of Squares
9/2/20	Wed	Day 4	Growth Mindset Module 3 - How to Study for an Exam	
			3.4	Solving Quadratic Equations by Factoring
			4.1	Simplify & Multiplication and Division of Rational Expressions
9/7/20	Mon	No Class - College Closed		
9/9/20	Wed	Day 5	4.1	Simplify & Multiplication and Division of Rational Expressions
			4.2	Addition and Subtraction of Rational Expressions
9/14/20	Mon	Day 6	Test 1 (1h and 30 mins, 8:00 am -11:00 am)	
9/16/20	Wed	Day 7	Growth Mindset Module 4 - Test Anxiety	
			4.4	Rational Equations
			3.1	Introduction to Radicals and Their Simplification
9/21/20	Mon	Day 8	Growth Mindset Module 5 - Test 1 Reflection	
			3.5	Solving Quadratic Equations by Using the Square Root Property & Complete the Square
			Growth Mindset Module 6 – Learn How to Do Better	
9/23/20	Wed	Day 9	3.6	Solving Quadratic Equations by Using the Quadratic Formula
			4.6	Radical Equations

9/28/20	Mon	Day 10	4.6	Radical Equations
			1.6	Absolute Value Equations
9/30/20	Wed	Day 11	Test 2 (1h and 30 mins, 8:00 am -11:00 am)	
10/5/20	Mon	Day 12	5.1	Distance & Midpoint Formulas
			5.2	Circles
			5.4	Linear Equations in Two Variables
10/7/20	Wed	Day 13	5.4	Linear Equations in Two Variables
			5.5	Write the Equation of a Line
10/12/20	Mon	Day 14	5.3	Functions and Relations
10/14/20	Wed	Day 15	Test 3 (1h and 30 mins, 8:00 am -11:00 am)	
10/19/20	Mon	Day 16	6.1	Transformations of Graphs
10/21/20	Wed	Day 17	6.1	Transformations of Graphs
			6.2	Symmetry, Even/Odd and Piecewise-Defined Functions
10/26/20	Mon	Day 18	6.2	Symmetry, Even/Odd and Piecewise-Defined Functions
			6.4	Algebra of Functions and Composition
10/28/20	Wed	Day 19	6.4	Algebra of Functions and Composition
			6.3	Difference Quotient
11/2/20	Mon	Day 20	Test 4 (1h and 30 mins, 8:00 am -11:00 am)	
11/4/20	Wed	Day 21	7.1	Quadratic Functions and Applications
			7.5	Quadratic Inequalities
11/9/20	Mon	Day 22	9.1	Inverse Functions
			9.2	Exponential Functions
11/11/20	Wed	No Class - College Closed		
11/16/20	Mon	Day 23	9.2	Exponential Functions
			9.3	Logarithmic Functions
11/18/20	Wed	Day 24	Test 5 (1h and 30 mins, 8:00 am -11:00 am)	
11/23/20	Mon	Day 25	9.4	Properties of Logarithms
			9.5	Exponential Equations and Applications
11/25/20	Wed	No Class - College Closed		
11/30/20	Mon	Day 26	9.6	Logarithmic Equations and Applications
12/2/20	Wed	Day 27	10.1	Graphs of Systems of Linear Equations in Two Variables
			10.2	Systems of Linear Equations in Two Variables and Applications
12/7/20	Mon	Day 28	Test 6 (1h and 30 mins, 8:00 am -11:00 am)	
			Final Exam Review	
12/14/20	Mon		Final Exam (1h and 30 mins, 8:00 am -11:00 am)	

The instructor reserves the right to adjust this schedule.