



**MAT0057 – Developmental
Mathematics: A Modular Approach
20172 (Spring 2017)
Ref# 559958
Days/Times: MW 9:30a. – 11:15a.
Room: 5-106**

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BC Emergency Hotline: (954) 201-4900

Office Hours: MW 11:15a. – 1:45p; TR 11:45a. – 2:15p. or by appt.

COURSE DESCRIPTION:

This course is designed to satisfy the requirements of both MAT0018 and MAT0028 in one semester. The course is delivered in a guided, self-paced format.

COURSE OBJECTIVES:

1. Whole Number
2. Integers
3. Equations (1)
4. Fractions
5. Decimals
6. Proportion and Percent
7. Measurement
8. Equations (2) and Inequalities
9. Graphing
10. Exponents
11. Rational Expressions and Radicals

PREREQUISITE: None.

TEXTBOOK AND MATERIALS:

- **Required:** 18-week ALEKS360 code. This includes the e-book for Pre & Introductory Algebra, 1st ed; Miller, O'Neill, & Hyde, McGraw Hill.
- **Recommended:** Binder or notebook to take notes; earbuds to listen to videos embedded in ALEKS

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 Any student who accumulates more than four absences before the withdrawal date will be administratively withdrawn from the class and will receive a "W" or, if it is the third attempt, will receive an "F".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. Etc.). 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 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.

ALEKS:

In this course, students will use an online educational program titled ALEKS. ALEKS, **Assessment and Learning in Knowledge Spaces** is a Web-based, artificially intelligent assessment and learning system. ALEKS can be used on any computer with internet access (including home computers or tablets that have internet access). Computers are also available in the Math Lab and in the Library.

ALEKS can be purchased at the bookstore, or online when you register for ALEKS. For ALEKS, you will need the following:

Please purchase the 18-week access code for this course.

Your **Course Code** is: **KHW6N-M9YPV**

Your **Financial Aid Access Code** is: **87E4A-F728A-5BD13-B9E20**

The Course Code is specific to our class. This will allow your instructor to monitor your progress throughout the course. Please enter in this course code when registering in ALEKS.

The Financial Aid Access Code does not add an additional two weeks to your account. This code gives you temporary access to ALEKS for a two-week period. Once the code expires, you will be locked out of your ALEKS account until you purchase a regular Student Access Code. **It is highly recommended that you purchase the Student Access Code BEFORE the two weeks expire to prevent interruptions with your ALEKS account.**

To log into ALEKS:

1. Go to: <http://www.aleks.com>.
2. Click on the "**SIGN UP NOW!**" link located under the login box on the left of the page.
3. Enter your **Course Code** in the box labeled "**Using ALEKS with a Class?**" and click on "**Continue.**"
4. Verify that you are registering for the correct course and click on "**Continue.**" Enter the 20-character Financial Aid Access Code or purchased Student Access Code.
5. Continue with the registration process until your account has been set up successfully.
6. After you complete your account set up you will be logged into ALEKS and can immediately begin working in the course. The first step will be to complete the ALEKS ASSESSMENT.
7. You can extend your ALEKS account at any time by clicking on "**extend your account**" and entering a purchased Student Access Code. If your temporary access expires before you purchase a Student Access Code, simply log in to ALEKS and you will be directed on how to extend your current account. You will then be able to continue your course where you left off before the

temporary access expired. **You do NOT need to create a new ALEKS account to continue your course.**

It is important that the initial assessment be completed properly. You should not receive any assistance, including but not limited to help from any person, use of an app or website, a book or notes from a previous class. The initial assessment should be completed in no more than 90 minutes. Any students who are suspected of having received assistance on the initial assessment will have their assessment and gradebook reset and will be required to retake the assessment in the Math Lab under supervision.

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

- 2) Online tutoring is available online, with 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 or contact the Academic Success Center.
- 3) Students are also strongly encouraged to see their instructor for help during posted office hours.

GRADES:

All course work, other than the final exam, is done in ALEKS. The ALEKS course contains 452 topics broken down into 12 objectives. A narrative of how this class works is as follows:

1. On the first day of class, you will take an initial assessment in ALEKS. This will indicate what topics you know, which you do not know, and which you are ready to learn, all in the form of the ALEKS Pie. ALEKS then customizes a learning plan based on your needs. **In order to complete the course in one semester, you are expected to complete at least 25 topics and spend at least 12 hours working in ALEKS per week.** These time and topic requirements are part of your grade in the class.
2. You will complete the Objectives, one at a time. When you complete at least 90% of the topics in an objective, you will need to take the quiz for that objective and score at least 80%. If you do not score 80% or higher, you may retake the quiz as many times as necessary to achieve the minimum required graded.
3. After you complete the quiz, you will take an assessment in ALEKS to determine how much of the material you have retained. After this assessment, some topics may be put back into your ALEKS Pie. This is normal and expected, as not all students will remember how to do every problem from the objective.
4. Move on to the next objective and repeat steps 2 and 3 until the end of the semester or you complete the course material.
5. At two points in the course, the half-way point and at the end, you will be required to take a proctored assessment in class.

You may earn two types of passing grades in this class, **PR** for progress, or traditional letter grades of **A, B or C**. Achieving the PR grade is the equivalent of passing MAT0018, which will allow you to take any class for which MAT0018 is a prerequisite (MAT0028 or STA1001). Earning an A, B or C will allow you to take MAT1033.

The grading system for this class is:

To earn a grade of A, B, or C that will allow you to enroll in MAT 1033:

1. **Complete all 12 Objectives AND**
2. **Score at least 80% on all 12 Objective quizzes AND**
3. **Earn a score of 80% or better on an End of Term Proctored Assessment (362 or more topics) AND**
4. **Your average in the class will determine your grade**

When you have completed all of the above, your course grade will be determined by ALEKS Objectives and Assessments (65%), Objective Quizzes (5%), Time & Topic Participation (5%) and the Final Exam (25%) with the following grading scale: 90 – 100 = **A** 80 – 89 = **B** 70 – 79 = **C**

To earn a grade of PR that will allow you to enroll in MAT 0028 or STA 1021:

1. **Complete Objectives 1 – 7 AND**
2. **Score at least 80% on Objective Quizzes 1 – 7 AND**
3. **Master an additional 150 topics (if available) from the initial assessment AND**
4. **Master 218 or more total topics as determined by a Proctored Assessment.**

FINAL EXAM:

If you complete all 12 objectives, then you must take the college-wide final exam, which is scheduled for **Wednesday May 3, 2017 from 8:30a – 10:20a.** in this classroom. As mandated by the college-wide mathematics department, the final exam is 25% of your grade.

MAKE-UP POLICY

Attendance is mandatory on the day of Proctored Assessments and the Final Exam. If a student is absent on the day of a test, the test grade will be recorded as a zero. There will be no make-up exams, except for 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. 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.

MAT0057 OBJECTIVE LIST

Topics Mastered are located in the  **Review** tab of your ALEKS account.
You can use these to review topics you have already mastered.

| Objective | Title | Topics | % Mastery | |
|-----------|-----------------------------------|--------|-----------|--|
| 1 | Whole numbers | 57 | 90% | Objectives 1-7 268/452 topics which is about 60% of total topics. Must master at least 214 out of 269 topics (80%) on proctored assessment to earn a PR in the course. |
| 2 | Integers | 21 | 90% | |
| 3 | Equations (1) | 28 | 90% | |
| 4 | Fractions | 62 | 90% | |
| 5 | Decimals | 51 | 90% | |
| 6 | Proportion & Percent | 29 | 90% | |
| 7 | Measurement | 20 | 90% | |
| 8 | Equations (2) and Inequalities | 34 | 90% | Objectives 8-12 184/452 topics. Must master at least 362 out of 452 topics (80%) to be able to earn an A, B, or C in the course. |
| 9 | Graphing | 24 | 90% | |
| 10 | Exponents | 46 | 90% | |
| 11 | Factoring | 36 | 90% | |
| 12 | Radicals and Rational Expressions | 44 | 90% | |

ALEKS Student Success Procedures

1. Select a topic from the PIE.
2. Choose **“Explain”** to see a worked example if needed.
3. Listen to the videos and/or read the textbook for additional help.
4. Ask the instructor or tutor if you have a question. That is what we are here for!!
5. Correctly answer enough questions until that topic is added to your PIE. If you get stuck on a topic, ask for help or move on to another topic.
6. Master the current Objective by completing 90% of the topics
7. When you meet the Objective Goal an Obj. Assessment will appear. Select Assignments **BEFORE** beginning the assessment. Complete the Quiz @ > 80% **BEFORE** Taking the Obj. Assessment. Think of the quiz as practice for the Assessment.

Keys to Success

- Time and Effort is directly related to success!
- Schedule time to regularly work on your math. Just working on ALEKS during class time will not be enough to complete the course. It is recommended that you spend at least 8 hours per week outside of class working on ALEKS.
- You may study with classmates, but your inputted work is to be your own.
- Use the Math Lab in the ASC for free tutoring.