DMAT 0310 – Intermediate Algebra INET 2017-2018 Syllabus *
(Fall 2017 – Summer II 2018)
* This Generic Syllabus will be supplemented by your instructor’s Syllabus Addendum. Together, these documents serve as the Course Syllabus.

THIS COURSE CAN BE COMPLETED ENTIRELY ONLINE; NO CAMPUS VISITS ARE REQUIRED.

COURSE DESCRIPTION
This course is a study of relations and functions with special emphasis on linear and quadratic expressions and equations, including complex solutions. Also covered are absolute value, polynomial, radical and rational expressions and equations, and linear and absolute value inequalities.

COURSE PREREQUISITES
An appropriate assessment test score or DMAT 0305.

REQUIRED / RECOMMENDED MATERIALS
ALEKS 360 Access Code. The web address for ALEKS is www.aleks.com. This code will provide access to the ALEKS website where all of the work will be done for the course. The ALEKS website includes an electronic copy of the text, video instruction, and many other helpful features.
✓ Students must have an active e-mail account and regular access to a computer with a reliable internet connection to submit work through ALEKS.
* GRAPHING calculators are recommended in DMAT 0310. You will have free access to a graphing calculator in ALEKS on selected questions.

ISBN / TEXTBOOK
Beginning and Intermediate Algebra 5th edition, by Miller
Optional Textbook
Required ALEKS 360 access code.
* The textbook is NOT required. An e-Text is included in ALEKS.

CERTIFICATION POLICY
Students must attend and participate in their on-campus or online course(s) in order to receive federal financial aid. Instructors are required by law to validate attendance in order for students to receive financial aid. In an online class, simply logging in is not sufficient by itself to demonstrate academic attendance. Students must demonstrate they are participating in their online class and are engaged in an academically related activity. To be certified as attending online mathematics courses, students must do one of the following prior to the certification Date: a) complete the Initial Knowledge Check in ALEKS; or b) complete a Progress Assessment upon transferring previous work.
Students should contact the instructor with any questions regarding what constitutes the Initial Knowledge Check.

WITHDRAWAL INFORMATION
Please consult your instructor before withdrawing from this course, and be sure to read the Withdrawal Policy found later in this document. If you choose to withdraw from this course within 30 days of activating your ALEKS Access Code, please have your ALEKS account put on hold by calling ALEKS Support at 714-619-7090 and explaining that you withdrew from the course. You will then be able to use the remainder of the time left on your ALEKS Access Code when you retake the course. If you withdraw from the course more than 30 days after activating your ALEKS Code, you will need to purchase a new ALEKS Code in order to retake the course.
COURSE OUTLINE
This course consists of 353 topics:
- Arithmetic Readiness (12 topics)
- Real Numbers and Algebraic Expressions (15 topics)
- Linear Equations and Inequalities (61 topics)
- Lines and Functions (23 topics)
- Systems of Linear Equations (16 topics)
- Exponents and Polynomials (67 topics)
- Rational Expressions and Equations (67 topics)
- Radicals (81 topics)
- Quadratic Equations and Functions (11 topics)

EVALUATION PROCEDURES
Assessment of your performance will be based upon mastery of topics in ALEKS, a final cumulative exam, and weekly time spent working in ALEKS. Please see your instructor’s Syllabus Addendum for due dates and further grading information.

<table>
<thead>
<tr>
<th>Weekly Time Spent Working in ALEKS</th>
<th>10%</th>
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<tr>
<td>Please see your instructor’s Syllabus Addendum for time requirements.</td>
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<thead>
<tr>
<th>Pie Mastery -- #Topics Mastered/353</th>
<th>70%</th>
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<tr>
<th>Cumulative Final Exam</th>
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<tr>
<td>The Final Exam is cumulative and covers material from the following Intermediate Algebra objectives: Exponents and Polynomials, Rational Expressions and Equations, Linear Equations and Functions, Linear Equations and Inequalities, Radicals, and Quadratic Equations and Functions. Failure to master all material in those objectives may result in poor performance on the Final Exam. Please see your Instructor’s Syllabus Addendum for specific topics covered on the Final Exam. The Final Exam does not cover material from the following Prerequisite objectives: Arithmetic Readiness, Real Numbers and Algebraic Expressions, Systems of Linear Equations.</td>
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The instructor reserves the right to require proctored testing at any point during the course.

GRADING SCALE
Grades for the course will be assigned using the following scale:

<table>
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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90 – 100%</td>
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<tr>
<td>B</td>
<td>80 – 89%</td>
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<tr>
<td>C</td>
<td>70 – 79%</td>
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<tr>
<td>F</td>
<td>0 – 69%</td>
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<tr>
<td>E</td>
<td>See below</td>
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The "E" grade is used in all Developmental Mathematics courses for students who put forth effort and finish the course, but for various reasons, were unable to obtain a final average of “C” or better. It is a favorable alternative to receiving an "F" grade, is non-punitive, and is not computed. In order to receive an "E" grade in this course, you must have made significant progress with course work, consistently submitted work in the course, and have participated in all class activities. Students receiving an “E” grade will need to repeat the course and earn a final average of “C” or better to get credit and move on to the next course. Students who have yet to complete the course and fail to participate after the drop date will receive an F in the course.
**TEMPORARY ACCESS TO ALEKS**

ALEKS provides a Financial Aid Access Code. This code gives students temporary access to ALEKS for a two-week period. Once the code expires, students will be locked out of their ALEKS account until a regular Student Access Code is purchased. It is highly recommended that students purchase the regular Student Access Code BEFORE the two weeks expire to prevent interruptions in their ALEKS account. ALEKS Corporation developed the Financial Aid Access Code to help students receiving financial aid. The availability of this service will depend on its ethical use by instructors and students, and may be discontinued at the discretion of ALEKS at any time. Students completing the entire course using the Financial Aid Access Code will receive a grade of F regardless of course performance. A regular ALEKS Student Access Code must be purchased in order for students to receive a grade based on course performance.

**TECHNICAL SUPPORT**

It is the responsibility of the student to contact ALEKS Technical Support to resolve any technical issues. Visit [http://www.aleks.com/support](http://www.aleks.com/support) for assistance.

**CVC STUDENT LEARNING OUTCOMES**

1. Solve polynomial equations by factoring. (THECBs #4)
2. Simplify rational expressions and solve rational equations. (THECB #s 3&4)
3. Graph and analyze linear equations and linear inequalities. (THECB #s 3&4)
4. Solve absolute value equations and inequalities. (THECB #5)
5. Simplify radical expressions. (THECB #3)
6. Solve quadratic equations. (THECB #3)

**TEXAS HIGHER EDUCATION COORDINATING BOARD (THECB) LEARNING OUTCOMES**

1. Define, represent, and perform operations on real and complex numbers.
2. Recognize, understand, and analyze features of a function.
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical, and rational expressions.
4. Identify and solve absolute value, polynomial, radical, and rational equations.
5. Identify and solve absolute value and linear inequalities.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines

**INSTITUTIONAL POLICIES**

Institutional policies relating to this course can be accessed from the following link:

[www.cedarvalleycollege.edu/syllabipolicies](http://www.cedarvalleycollege.edu/syllabipolicies)