## Instructor Information

Instructor: ____________  
Phone: ________________  
Office: ________________  
Email: ________________  
Office hours: ________________

## Course Information

<table>
<thead>
<tr>
<th>COURSE TITLE:</th>
<th>Developmental Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>COURSE NUMBER:</td>
<td>DMAT 0305</td>
</tr>
<tr>
<td>CREDIT HOURS:</td>
<td>Three credit hours</td>
</tr>
</tbody>
</table>

**COURSE PREREQUISITE:** An appropriate assessment test score or DMAT 0090 or DMAT 0097

**COURSE DESCRIPTION:** The course supports students in developing skills, strategies, and reasoning needed to succeed in mathematics, including communication and appropriate use of technology. Topics include the study of numeracy and the real number system; algebraic concepts, notation, and reasoning; quantitative relationships; mathematical models; and problem solving. This course may be taught in a 3 SCH or 4 SCH format.

**REQUIRED eBOOK AND SOFTWARE:**

Beginning Algebra, 6th ed.  
(978-1-888469-92-9) © 2007  
by Man M. Sharma

An Educosoft Access Code (included with the purchase of a new book)

Please note that the access code can be purchased separately and access includes an electronic version of the book, so a hard copy is not necessary if you are comfortable with the electronic version.
A student of this institution is not under any obligation to purchase a textbook from a university affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

**OTHER REQUIRED MATERIALS:**
- Valid and monitored e-mail address, access to eCampus, access to computers.
- Binder or spiral notebook, paper, graph paper, ruler, pencils
- Instructor’s choice: ___________________________

**DCCCD/State of Texas LEARNING OUTCOMES related to the book above:**

<table>
<thead>
<tr>
<th>Learning Outcomes (as listed in the ACGM)</th>
<th>Chapter(s) from textbook – Beginning Algebra, 6th ed by Man M. Sharma</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.</td>
<td>Chapters 1, 2, 3, 4, 5, and 6.</td>
</tr>
<tr>
<td>2. Define, represent, and perform operations on real numbers, applying numeric reasoning to investigate and describe quantitative relationships and solve real world problems in a variety of contexts.</td>
<td>Chapter 1.</td>
</tr>
<tr>
<td>3. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.</td>
<td>Chapters 1, 2, and 4.</td>
</tr>
<tr>
<td>4. Apply algebraic reasoning to manipulate expressions and equations to solve real world problems.</td>
<td>Chapters 2 and 4.</td>
</tr>
<tr>
<td>5. Use graphs, tables, and technology to analyze, interpret, and compare data sets.</td>
<td>Chapters 3 and 4.</td>
</tr>
<tr>
<td>6. Construct and use mathematical models in verbal, algebraic, graphical, and tabular form to solve problems from a variety of contexts and to make predictions and decisions.</td>
<td>Chapters 2, 3, and 4.</td>
</tr>
</tbody>
</table>

**Course Activities and Evaluation Procedures:**

1. **Unit Exams:** There will be four Unit Exams worth 100 points each. Exams may have to be taken outside of classroom time in the Assessment Center located in the basement. Unit exam 4 is online. Your online ‘MyMathLab Final Exam Review’ grade is your Unit exam 4 grade. The lowest grade of the four unit exams is dropped. No makeup exams will be given.
II. **Online homework/Quizzes**: Short quizzes and/or homework will be assigned regularly using Educosoft software. You may use the temporary access code provided by the software but you must purchase the permanent code by the third week of class.

   Course ID for EducoSoft: ______________________

III. **Final Exam**: A comprehensive departmental exam counts as two unit grades. The final exam will be administered during Finals Week in the classroom. You will need a Scantron Form 882-E, pencil and scratch paper

IV. **Instructor’s Choice**: ______________________

**El Centro College’s QEP – CT3 “Critically Thinking Things Through”**

El Centro College’s Quality Enhancement Plan is “CT3: Critically Thinking Things Through”. The Mathematics Department has designed a project to introduce students in your math class to critical thinking strategies, as well as help students document their thinking when tackling difficult, complex scenarios. You will work an assignment to fulfill the QEP-CT3 requirements of this course. The “Signature” QEP-CT3 assignment will be available on your eCampus site and will count for 20 points on one of your exams (your instructor will provide you with more details). You must complete and upload a [pdf] for the Signature assignment no later the date and time indicated by your instructor.

**Grading Policy:**

<table>
<thead>
<tr>
<th>Grade Calculation (in points)</th>
<th>Final course grades will be recorded using the following scale:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test 1........................100</td>
<td><strong>Course grade:</strong></td>
</tr>
<tr>
<td>Test 2.........................100</td>
<td>3 highest unit exams + Online Quiz Ave + OnlineHW + FinalExam</td>
</tr>
<tr>
<td>Test 3.........................100</td>
<td>7</td>
</tr>
<tr>
<td>Test 4..........................100</td>
<td>Points will be rounded to the nearest whole number.</td>
</tr>
<tr>
<td>Final Exam.....................200</td>
<td>A: 90-100 average (540-600 points)</td>
</tr>
<tr>
<td>Online Quizzes..............100</td>
<td>B: 80-89 average (480-539 points)</td>
</tr>
<tr>
<td>Online Homework….100</td>
<td>C: 70-79 average (420-479 points)</td>
</tr>
<tr>
<td>Instructor’s Choice ...100</td>
<td>D: 60-69 average (360-419 points)</td>
</tr>
<tr>
<td>Total Points:…600 or 700</td>
<td>F: below 60 averages (below 360 points)</td>
</tr>
</tbody>
</table>

*Points must be revised if using Instructor’s choice*
Attendance Policy: Attendance on time and for the whole class period is required.

Instructor's Choice

Cell Phone Use in the classroom: Cell phone use in the classroom is not permitted. Please place your phone away and out of sight/Instructor's Choice

Withdrawing from this class:

STOP BEFORE YOU DROP: For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop.

*Drop Date for Summer II 2017 is 08/03/2017.
You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/6drop

Institutional Links

Click for Learning Center Tutoring and Resources
URL: http://alt.elcentrocollege.edu/west-campus/learning-centertutoring
West Campus Learning Center: 972-391-1408

Click for DownTown Testing Center
URL: http://alt.elcentrocollege.edu/students/contact-assessment-center
West Campus Testing Center: 972-391-1424

Click for Course Related Institutional Policies
URL: http://alt.elcentrocollege.edu/admissions/schedule/syllabus/Course-Related-Policies.pdf

Click for El Centro College Institutional Policies
URL: http://alt.elcentrocollege.edu/admissions/schedule/syllabus/Institutional-Policies.pdf

Click for the Title IX and Sexual Misconduct Policy
URL: http://alt.elcentrocollege.edu/students/title-ix-and-sexual-misconduct

Click for the El Centro College Student Handbook
URL: http://alt.elcentrocollege.edu/students/student-handbook

Click for a list of services available to all El Centro College students
URL: https://docs.google.com/document/d/1gBDQUwgFb2db2LEwzcBNbyGt7WKnjZ2_aaVT03R_bd8/edit
Disclaimer:
The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.