MATH 1332 (Corequisite) Syllabus
(Linked to DMAT 0317)
Eastfield College

Instructor Information
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Course Information
Course Title: Contemporary Mathematics (Quantitative Reasoning)
Course Number: Math1332
Section Number: 42495
Semester/Year: Spring 2020 (WinterMester)
Credit Hours: 3
Class Meeting Time/Location:
Certification Date: 12/18/2019
Last Day to Withdraw: 01/06/2020

Course Prerequisites
This is a corequisite course and requires continuous concurrent enrollment with DMAT 0317.

Course Description
Intended for Non STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional
reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

**Student Learning Outcomes**

Upon successful completion of this course, students will:

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.
6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

**Texas Core Objectives**

The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this course, the activities you engage in will give you the opportunity to practice two or more of the following core competencies:

1. **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. **Communication Skills** - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication
3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
5. **Personal Responsibility** - to include the ability to connect choices, actions, and consequences to ethical decision-making
6. **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

**Required Course Materials**

1. Textbook: *Math in Our World* by Dave SOBECKI, 4th edition, McGraw Hill. (Textbook is OPTIONAL An ebook is included with your Aleks access)
2. Aleks access code is required. **Aleks ACCESS WAS PURCHASED IN DMAT 0317 AND NO ADDITIONAL COURSE MATERIALS ARE NEEDED.**

3. A graphing calculator may be needed for some assignments. Students may check out a TI-84 calculator from the Reserve Desk in the Eastfield library for the day. TI-84 calculators are also available during testing at the Eastfield testing center.

Note: 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.

### Graded Work

The tables below provide a summary of the graded work in this course and an explanation of how your final course grade will be calculated.

#### Summary of Graded Work

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective in Aleks</td>
<td>25%</td>
</tr>
<tr>
<td>Tests</td>
<td>40%(Total of 4 test)</td>
</tr>
<tr>
<td>Exam review</td>
<td>10%(total of 4 for each test)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
</tbody>
</table>

**TOTAL: 100%**

#### Final Grade

<table>
<thead>
<tr>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0-59%</td>
<td>F</td>
</tr>
</tbody>
</table>

#### Description of Graded Work

Objectives in Aleks. After you are taking the initial knowledge check, Aleks will customize the number of objective you need to learn. There 427 topic on an objectives. But base on your math skill you may get less topics.
After you get 70%, 80%, or 90% of topics done in each chapter unit than the next chapter unit will be available and unlocked.

**Tests:** There is a total of 4 exam.
Exam 1 covers prerequisite, chapter 5, and chapter 6,
Exam 2 covers chapter 1, chapter 2, and chapter 8
Exam 3 covers chapter 3 and chapter 7
Exam 4 covers chapter 10, and chapter 11
seach have 20 questions you must answer. You will be allowed three attempts at the test and your highest score will be counted towards your final course grade.

The exams will be in Aleks under the assignment tab and they will be available based on the course calender. Due date is also will be in course calender.

When you take the exam on Aleks, Aleks will use a LockDown Browser and that will be installed on your computer via Aleks. You also need to have Webcam as well. If you cover the Webcam during the test, I will replace that test with Zero.
While you are taking your test online at Aleks you need to show a ID card and you need to stay on the frame of Webcam during the test.

**Exam reviews:** There is exam review for each of the 4 exams. There are will be available during the interval of the test and are designed to help you get prepared for the exam.

**Final Exam:** A comprehensive, departmental final examination, which will represent at least 25% of the class grade, will be administered in all MATH 1332 classes. The final exam will be proctored at any of the DCCCD college Campuses including Eastfield College testing center. Or the final exam could be taken online with ProctorU. Please note that you are required to take one comprehensive final proctored exams on campus or using online proctoring services. Exams will be administered at the Eastfield College Testing Center( or any other DCCCD Campuses if students inform the instructor in advance), another approved testing location or online at www.proctoru.com. Please go to https://www.eastfieldcollege.edu/apply-reg/testing/pages/testcntrs.aspx for more information about testing center hours, policies, procedures, etc.

**Attendance and Your Final Grade**
You must have completed a topic in ALEKS BY MIDNIGHT ON 12/17/19 to be certified in the course. If you have not completed a topic in ALEKS by midnight on 12/17/19 you WILL NOT be certified in the course and this may impact your financial
aid! Classroom attendance is not required for this course; however, students are required to remain actively engaged with course curriculum.

**Late Work Policy**
No late work accepted. All of the objectives have final due date 01/10/20. The reviews and tests on Aleks have due date as well.

**Standard of Conduct/Classroom Etiquette**
No food, drinks or tabacco products are allowed in Eastfield College classrooms. However, if your class is in a non-lab classroom, your instructor may allow food or drink.

**Additional Resources**
[Tutoring Services](https://www.eastfieldcollege.edu/services/academic-support/tutoring/pages/default.aspx) are provided for Mathematics and Developmental Mathematics in the Eastfield library, Building L, Room 200. Students are encouraged to take advantage of this service for additional help in their course work. Visit the link above or call 972-860-7174 for more information on tutors, hours of operation and policies.

**Drop Policy**
To drop a class or withdraw from the college, students must follow the prescribed procedure. It is the student’s responsibility to drop or withdraw. Failure to do so will result in receiving a performance grade, usually grade of “F”. No drop or withdrawal requests are accepted by telephone. Students who drop a class or withdraw from the College before the semester deadline receive a “W” (Withdraw) in each class dropped. The deadline for receiving a “W” is indicated on the academic calendar and the current class schedule. If you are unable to complete this course, you must withdraw from it by the date indicated above. For more information, contact the Admissions/Registrar’s Office at 972-860-7167 (Room C 119.)

**Institutional Policies**
Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

[Eastfield Institutional Policies](http://www.eastfieldcollege.edu/syllabipolicies)

**Additional Resources**
The Math Tutoring Center provides FREE TUTORING to current Eastfield College students enrolled in a Mathematics or Developmental Mathematics course. Students are encouraged to take advantage of this free resource for additional help in their course
work. Please visit the Math Tutoring Center located in the Learning Commons in L200, check eastfieldcollege.edu/tutoring, or call 972-860-7174 for more information.

STRATEGIES TO BE SUCCESSFUL

1. Ask questions.
2. Read each chapter.
3. Show all work.
4. Check your answers.
5. Make note of problems for which you have questions.
6. STUDY FOR TESTS.

To successfully complete this course you must be diligent. Make sure you set aside a period of time each day that you can work on the material, and do not fall behind the schedule attached to this syllabus. Work ALL the assigned homework problems as a minimum, and more if you feel you have not quite mastered the material. If you have a problem, contact me immediately so that you don’t fall behind. *The key to success in this course is doing your work every day.*

Course Content

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<tr>
<th>Chapter</th>
<th>Sections</th>
<th>Topics</th>
</tr>
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<tbody>
<tr>
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<td>1.1-1.3</td>
<td>Problem Solving</td>
</tr>
<tr>
<td>Ch. 2</td>
<td>2.1-2.4</td>
<td>Set Theory.</td>
</tr>
<tr>
<td>Ch. 3</td>
<td>3.1-3.4</td>
<td>Logic.</td>
</tr>
<tr>
<td>Ch. 5</td>
<td>5.1-5.6</td>
<td>The Real Number System</td>
</tr>
<tr>
<td>Ch. 6</td>
<td>6.1-6.3</td>
<td>Topics in Algebra</td>
</tr>
<tr>
<td>Ch. 7</td>
<td>7.1-7.6</td>
<td>Consumer Math</td>
</tr>
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<td>Ch. 8</td>
<td>8.1,8.2</td>
<td>Measurement</td>
</tr>
<tr>
<td>Ch. 10</td>
<td>10.1-10.5</td>
<td>Probability and Counting techniques</td>
</tr>
<tr>
<td>Ch.11</td>
<td>11.1-11.5</td>
<td>Statistics</td>
</tr>
</tbody>
</table>

Revised 12/12/19