STEM Division
MATH 1332-Learning Community
FALL 2019, Syllabus
MATH 1332-41185/48200, 3 Credit Hours
Contemporary Mathematics (Quantitative Reasoning)
Course Dates: 10/22/2019 - 12/12/2019
MEETING DAYS and TIMES:
MT 7:30AM-9:20AM Room T115

| Instructor: | Ahmad Abdallah |
| Phone: | 972-391-1085 |
| Email: | ahmadabdallah@dcccd.edu |
| Office & Office Hours: | C276
Office hours: Mondays & Wednesdays 11:00AM-12:30PM
Tuesdays 1:00PM-2:00PM
Thursdays 8:15AM-9:15AM
*Appointments may be granted and require a formal email request at least 72 hours in advance. |

Course Drop Date: 11/27/2019
Disclaimer: The instructor reserves the right to amend this syllabus as necessary.

Institutional Policies: Eastfield College Institutional Policies
(https://www.eastfieldcollege.edu/au/fastfacts/legal/pages/policies-for-syllabi.aspx)

INSTRUCTOR CONTACT INFORMATION
My preferred method of contact is ahmadabdallah@dcccd.edu. Make sure your emails are appropriately addressed if you expect a response (course and section number in the subject line and your full name as a signature).

Please keep in mind that it is against the law (FERPA) for me to discuss grades with you via phone or email. See me in person if you need to discuss your personal academic progress or grades in this course.
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.

Prerequisites:
Two years of high school algebra and an appropriate assessment test score or Developmental Mathematics 0310.

Textbook and Other Course Materials:
2. Microsoft Windows 7 and 8 users should use one of the following browsers with MyMathLab courses- Chrome, Firefox or Internet Explorer 10 and 9. Click here for other system requirements.
3. Calculator: A scientific calculator required. A graphing calculator (e.g. TI-83 plus/ TI-84 plus) is recommended.
4. MyMathLab Access Code purchase is required and not optional. You will need the following CourseID when registering into MyMathLab.

<table>
<thead>
<tr>
<th>Your Course Name</th>
<th>FA2019-Math-1332-LC-Flex2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your Course ID</td>
<td>abdallah22231</td>
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</tbody>
</table>

Student Learning Outcomes:
After completing this course, the student should be able to:
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.

Core Objectives:
MATH 1332 develops the following Core Objectives:

1. Critical Thinking - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
2. Communication - to include effective development, interpretation and expression of ideas through written and visual communication.
3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

**Core Objective Development Statements:** MATH 1332 develops **Critical Thinking**, **Communication**, and **Empirical and Quantitative Skills** by requiring students to solve and analyze applications to at least one of the following: sets, logic, number systems, number theory, functions, probability and statistics.

**Grading Policy:**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Category</th>
</tr>
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<tbody>
<tr>
<td>25%</td>
<td>Homework</td>
</tr>
<tr>
<td>30%</td>
<td>Tests</td>
</tr>
<tr>
<td>10%</td>
<td>Projects</td>
</tr>
<tr>
<td>10%</td>
<td>Classwork/Participation/Attendance</td>
</tr>
<tr>
<td>25%</td>
<td>Final Exam</td>
</tr>
<tr>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

**Grading Rationale:**

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

**Final Examination:**

A comprehensive final examination, which will represent at least 25% of the class grade. **ALL students are REQUIRED to take the final exam on the scheduled date set by the college.**

**Tests:** All students MUST show work on how they achieved the solution to every problem (including multiple choice questions) in order to receive credit for that problem. No credit will be given to the problem if the solution to the problem is correct but there is no supporting work shown.

**Projects:** Will not be accepted after their due date for any reason. You will have plenty of time to work on projects and submit early if needed. You will receive a zero for any project not turned in by the due date.

**Attendance / In-Class Activities:** Attendance will be taken during each class period. You are expected to regularly attend all classes in which you are enrolled. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. All students are expected to participate in class activities and group work, these assignments cannot be made up. If you miss a class, a grade of zero will be received.

**Homework Problems (MyMathLab)**

Your homework grade will consist of on-line homework assignments for each section. This class will use MyMathLab to complete homework assignments. Assignments will have due dates. However, assignments can be completed after due dates with 10% deduction for late submission.
Policy on Missed Tests and Assignments:
Make up assignments for tests will not be given.
Missed exam policy: Make-up examinations will not be given. **NO MAKE-UP TESTS or RE-TESTS.** However, at the end of the semester, your final exam grade will replace **one** low or missed test grade if it is in the best interest of the student. To clarify this statement, your final exam grade still counts as 25% of your overall grade. But, if **one** of your test grades is lower than your final exam grade, I will replace that test grade with your final exam grade. If none of your test grades are lower than your final exam grade, then I will not replace any of them. **You will not be able to make up the final exam under any circumstance**

Attendance Policy:
You are expected to regularly attend all classes in which you are enrolled. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. In this class attendance is particularly important because we will be doing frequent work in class that is a critical part of your grade. Please make it a priority to attend all classes. You will receive a participation grade during class period.

Drop Date:
Last date to drop with a grade of “W” is **November 27th, 2019**

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

Be respectful of those around you and their property. Cell phones and other electronic devices should be turned off during class time. Laptops are permitted in class as long as they do not disturb other student around you and the programs used should only be those that the instructor approves of and that pertain to the class material for the Course … **NO EMAIL, TEXTING or other types of communication tools should be used while in the classroom.**

It is expected that you will arrive to class prepared to learn, on time, and stay for the duration of our class meeting. Please consult your instructor if you must arrive late or leave class early for an emergency.

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. In addition, TI-84 calculators are available for daily check-out in the library.

INSTITUTIONAL POLICY AND SERVICES:
Institutional Policies relating to this course can be accessed from the following link: **https://www.eastfieldcollege.edu/syllabipolicies**
### COURSE OUTLINE:

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Sections</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ch. 1</td>
<td>1.1-1.3 (All Sections)</td>
<td>Problem Solving and Critical Thinking.</td>
</tr>
<tr>
<td>Ch. 2</td>
<td>2.1-2.5 (All Sections)</td>
<td>Set Theory.</td>
</tr>
<tr>
<td>Ch. 3</td>
<td>3.1 - 3.7</td>
<td>Logic.</td>
</tr>
<tr>
<td>Ch. 5</td>
<td>5.1-5.6</td>
<td>Number Theory and the Real Number System.</td>
</tr>
<tr>
<td>Ch. 8</td>
<td>8.1 – 8.8 (Not including 8.5)</td>
<td>Consumer Mathematics and Financial Management.</td>
</tr>
<tr>
<td>Ch. 11</td>
<td></td>
<td>Probability</td>
</tr>
<tr>
<td>Ch. 12</td>
<td>12.1, 12.2</td>
<td>Statistics</td>
</tr>
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</table>

### SYLLABUS REVISION:

The guideline in this syllabus may be changed, deleted, or amended any time by the instructor. The attached course outline is intended as an aid in helping you know your responsibilities for the semester. It is possible that some changes in the course outline or class policies will be made during the semester. Any changes that are made to the class policies or course outline will be announced in class.

Revised 07/16/19