### Term: (Fall 2019) 08-Week Course

**Course:** MATH 1332-48250  
**Course Dates:** 10/26/2019 - 12/07/2019  
**Class Location:** C300

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Farzana Rehman</th>
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<tbody>
<tr>
<td>Phone:</td>
<td>972-860-7108</td>
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<td>Email:</td>
<td><a href="mailto:farzanarehman@dcccd.edu">farzanarehman@dcccd.edu</a></td>
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<tr>
<td>Office &amp; Office Hours:</td>
<td>C300 / Saturday: 12pm-12:30pm</td>
</tr>
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</table>

| STEM Division:   | C-Building, Room 202 | 972-860-7297 |

| Course Drop Date: | 11/27/2019 |
| Certification Date: | 10/28/2019 |

**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)

### 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.

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

### Textbook and Other Course Materials:
2. ALEKS Access code required.
3. Calculator: A scientific calculator required. A graphing calculator (e.g. TI-83 plus/ TI-84 plus) is recommended.
**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:**

- Objective in Alek 25%
- Time in Alek 10%
- Exams in Alek 40%
- Final Exams 25%

**Grading Rationale:**

90—100 A
80—89 B
70—79 C
0—69 F

**Final Examination:**

A comprehensive, departmental final examination, which will represent at least 25% of the class grade, will be administered in all MATH 1332 classes.

**Policy on Missed Tests and Assignments:** If you are missing the objectives or tests you need to inform your instructor less than 48 hours after due date to be able to take a make-up or receive an extension.

**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. You must have completed a topic in ALEKS BY MIDNIGHT ON 10/27/19 to be certified in the course. If you have not completed a topic in ALEKS by midnight on 10/27/19 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.

**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.

**ADDITIONAL RESOURCES**
The Math Spot ([https://www.eastfieldcollege.edu/services/academic-support/tutoring/pages/default.aspx](https://www.eastfieldcollege.edu/services/academic-support/tutoring/pages/default.aspx)) provides tutoring in Mathematics and Developmental Mathematics. Students are encouraged to take advantage of this service for additional help in their course work. The Math Spot is located in room **L200**, and the phone number is 972-860-7174. Visit the link above for more information on tutors, hours of operation and policies.
In addition, TI-84 calculators are available for daily check-out in the library.

**COURSE OUTLINE:**

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<td>Ch. 7</td>
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<td>Probability and Counting techniques</td>
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<td>Ch. 11</td>
<td>11.1-11.5</td>
<td>Statistics</td>
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Revised: 6/21/19