Course # M2300 (CRN 26731)
Course Title Discrete Mathematics
Credit Hrs 3
Term Spring 2019
Course Meetings & Location 12 - 1:20 PM (Tuesday, Thursday); LART 205
Prerequisite Courses Calculus I (Math 1411). This is entirely a mathematical maturity requirement, as we will use no calculus in this course.

Instructor Omeiza Olumoye
Office Location Library Room 514
Contact Information E-mail okolumoye@utep.edu
Website http://utminers.utep.edu/okolumoye/teaching/spring2019/math2300.html
Emergency Contact 915-747-5761 (Department of Mathematical Sciences)

Office Hours 3 - 6 PM (Tuesday, Thursday), or by appointment.

Textbook Discrete Mathematics, 5th ed., Dossey, et. al., Chapters 2, 4, 5, 8, Appendix A. We will skip some sections, as announced in class. The textbook is required at all class meetings.

Warning: Sometimes, we will not “cover” all the material from a section, but instead focus on a particular aspect of the section. In such cases, I will point out in class which other parts of the section I expect you to read on your own.

Course Objectives (Learning Outcomes) Upon successful completion of the course, you will know and be able to use the basic algebra of sets and of logic. You will be able to identify and use common classes of relations. You will know basic properties of arbitrary functions. You will be able to solve counting problems involving combinations and permutations, including counting problems with restrictions. You will know the basic definitions and theorems of graph theory, and be able to apply them to specific graphs. You will know the basic algorithms for traversing trees, and be able to apply them to specific trees.

Grading Policy Your grade will be calculated as follows:

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<tr>
<th>Quizze</th>
<th>10%</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>20%</td>
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<tr>
<td>Exam 2</td>
<td>20%</td>
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<tr>
<td>Exam 3</td>
<td>20%</td>
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<tr>
<td>Comprehensive Final</td>
<td>30%</td>
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Quizzes  Suggested homework problems will be assigned most class days and will generally be discussed at the next class. There will be approximately weekly quizzes, with problems taken from the homework. Quizzes are closed-book, closed-notes. Missed quizzes cannot be made up, but your two lowest quiz scores will be dropped.

Exams  There will be three in-class exams scheduled tentatively on the following days:

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<thead>
<tr>
<th>Chapter</th>
<th>Date</th>
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<tr>
<td>Ch. 2</td>
<td>Tue. 19 Feb.</td>
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<tr>
<td>Ch. 8</td>
<td>Thu. 14 Mar.</td>
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<tr>
<td>Ch. 4, 5</td>
<td>Thu. 2 May</td>
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</tbody>
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Final  The final will be comprehensive (including Appendix A). The final is on **Tuesday, May 14, 1 - 3:45 PM**.

The grading scale for this course is: 90% and above is an A, 80% - 89% is a B, 70% - 79% is a C, 60% - 69% is a D, and 0% - 59% is an F.

**The Drop Date for this semester is Friday, April 5. No drops will be approved after this date.**

No makeup exams will be allowed except with proper documentation, i.e. doctor’s note, hospital’s note, or UTEP excused absence document.

Civility Statement  Cell phones and pagers should be set to silent or vibrate, and any calls should be taken outside of class. Please do not wear headsets or blue tooth devices during class, active participation in this class is a vital part of your success. **Video or pictures of lectures must have written consent from the instructor and student(s).**

Disability Statement If you have disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions.

Academic Integrity Policy  It is UTEP’s policy, and mine, for all suspected cases or acts of alleged scholastic dishonesty to be referred to the Office of Student Conduct and Conflict Resolution for investigation and appropriate disposition. See Section II.1.2.2.1 of the Handbook of Operating Procedures. Each student is responsible for notice of and compliance with the provisions of the Regents’ Rules and Regulations, which are available for inspection electronically at [http://www.utsystem.edu/bor/rules/homepage.htm](http://www.utsystem.edu/bor/rules/homepage.htm).

Exceptional Circumstances  If you anticipate the you are going to miss a large portions of class time during the semester, due to exceptional circumstances such as childbirth, or military service as a military student with the potential of being called to military service and/or training, please let me know as soon as possible.