

**Texas A&M University Central Texas**  
**Discrete Mathematics - Math 3310**  
**Class 8:00am – 9:15 pm MW**

**Instructor:** Jordan T. Barry, Adjunct  
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**Office hours:** MW, 7:30am-8:00am or by appointment

### **911 Cellular**

Emergency Warning System for Texas A&M University – Central Texas  
911Cellular is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in 911 Cellular through their myCT email account.

Connect at 911Cellular [<https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management>] to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location.

### **1.0 Course Overview**

The course will consist of 2 Tests and 12 Homework Sets. These assignments will be done online. The syllabus will be available on Canvas; as well, the list of problems for each Reading Assignment and Homework Set will available on Canvas. But all of the work for these assignments and the Tests will be done the old-fashioned way—by pencil and paper. We will work on Chapters 2-7 and Chapter 10. There will be a Homework Set for each chapter. Test 1 will cover Ch 2-4, and Test 2 will cover Ch. 5-7 and Ch10. There is no Final in this class; you will simply be taking your second Test during the Finals week (see attached schedule).

### **2.0 Course Objectives:**

- Review knowledge of Sets, Number Theory, Relations, Functions, and Graph Theory while...
- Learning/practicing methods for how to prove what we know about the above subjects...
- And learning/practicing to view and analyze mathematics from a rigorously logical mindset

#### **Mathematical Content:**

- Logic, Statement Logic, Statement Analysis, Predicate Analysis, Proofs, Number Theory, Set Logic, Sets, Relations, Functions, Boolean Algebras and Graph Theory.

Prerequisite: MATH 3309.

### **3.0 Required Reading**

Title: Discrete Mathematics with Applications. Fourth edition.

Author: Epp, Susanna S.

ISBN: 0-495-39132-8  
978-0-495-39132-6

#### 4.0 Course Requirements

1. Homework Sets
  - Each Homework Set will consist of exercises from each section we cover in a particular chapter.
2. Tests
  - All Tests will be completed in class.
  - Test 1 is on Chapters 2-4; Test 2 is on Chapters 4-7 and Chapter 10.

#### 5.0 Grading Rubric

2 Tests (320 points each)	= 640 points	A = 900-1000
12 Homework Sets (30 points each)	= 360 points	B = 800-899
		C = 700-799
		D = 600-699
<b>Total:</b>	<b>1000 points</b>	F = 0-599

#### 6.0 Other Grading Policies:

I encourage students to work collaboratively to arrive at homework-set solutions, but this does not mean that I encourage you to copy work from the students with whom you are working—the work must be your work, in your own words. If I suspect that students' work is not their own, the students' work may be questioned. This may ultimately result in the grade of 0 being awarded for the assignment.

Note that there will be 13 Homework assignments and only 12 are taken for a grade. This means that your lowest homework grade will be dropped for the final-grade calculation.

#### 7.0 Technology Requirements

This course will use the A&M-Central Texas Instructure Canvas learning management system. Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com>].

Username: Your MyCT username (xx123 or everything before the "@" in your MyCT e-mail address) Password: Your MyCT password

Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select "Chat with Canvas Support," submit a support request through "Report a Problem," or call the Canvas support line: 1-844-757-0953.

For issues related to course content and requirements, contact your instructor.

**Technology Support.** For technology issues, students should contact Help Desk Central. 24 hours a day, 7 days a week:

Email: [helpdesk@tam.u.edu](mailto:helpdesk@tam.u.edu)  
Phone: (254) 519-5466  
Web Chat: <http://hdc.tam.u.edu>

*When calling for support please let your support technician know you are a TAMUCT student.*

### **8.0 Drop policy**

If you discover that you need to drop this class, you must go to the Records Office and ask for the necessary paperwork. Professors **cannot** drop students; this is always the responsibility of the student. The record's office will provide a deadline for which the form must be returned, completed and signed. Once you return the signed form to the records office and wait 24 hours, you must go into Warrior Web and confirm that you are no longer enrolled. Should you still be enrolled, FOLLOW-UP with the records office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the deadline or fail to follow the procedure, you will receive an F in the course.

### **9.0 Academic Integrity**

Texas A&M University -Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student's academic performance and includes, but is not limited to, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student's work, collusion, and the abuse of resource materials. All academic misconduct concerns will be reported to the university's Office of Student Conduct. Ignorance of the university's standards and expectations is never an excuse to act with a lack of integrity. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

### **10.0 Access and Inclusion**

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier free education. The Department of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the University's programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Department of Access and Inclusion at (254) 501-5831. Any information you provide is private and confidential and will be treated as such.

For more information please visit our Access & Inclusion webpage [<https://www.tamuct.edu/student-affairs/access-inclusion.html>].

Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. For more information, please visit <https://www.tamuct.departments/index.php>. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these requirements and guidelines online, please visit the website [<http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf>].

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender – including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Division of Student Affairs at 254-501-5909 to seek out assistance. Students may also contact the University's Title IX Coordinator.

### **11.0 Tutoring**

Tutoring is available to all A&M-Central Texas students, both on-campus and online. On-campus subjects tutored include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or any other question, contact Academic Support Programs at 254-519-5796, or by emailing Dr. DeEadra Albert-Green at [deeadra.albertgreen@tamuct.edu](mailto:deeadra.albertgreen@tamuct.edu).

Chat live with a tutor 24/7 for almost any subject on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log-in and receive FREE online tutoring and writing support. This tool provides tutoring in over forty subject areas. Access Tutor.com through Canvas.

### **12.0 University Writing Center**

Located in 416 Warrior Hall, the University Writing Center (UWC) at Texas A&M University-Central Texas is a free workspace open to all TAMUCT students from 10am-5pm Monday-Thursday with satellite hours in the University Library Monday-Thursday from 6:00-9:00pm. Students may arrange a one-on-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both half-hour and hour sessions are available) or by making an appointment via WConline at [<https://tamuct.mywconline.com/>]. In addition, you can email Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu) to schedule an online tutoring session. Tutors are prepared to help writers of all levels and abilities at any stage of the writing process.

While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and

connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the University Writing Center is here to help!

If you have any questions about the University Writing Center, please do not hesitate to contact Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto:bruce.bowles@tamuct.edu).

### **13.0 Library Services**

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 72,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On-campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available twenty-four hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place on Skype or in-person at the library. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our Library website [<https://tamuct.libguides.com/>].

\*Professor reserves the right to change this syllabus and attached schedule at any time