



CS-2202: Discrete Structures II

Spring 2026

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Course Instructor and Assistant

Instructor: Dr. Mohammad Saidur Rahman, Students' Drop-in hours: Mondays 11.00AM - 12.00PM MST, CCSB. 3.0420;

- Office hour will be held in person unless specific circumstance that will be communicated with the students.
- You can also reach me via MS Teams' private messages, and we can schedule meeting times that work better for you, within reason.

Assistant: Jacob Luna, jluna33@miners.utep.edu, Students' Drop-in hours: T 9PM-11PM, T 1:30PM-2:30PM, R 12:30PM-2:30PM in CCSB1.0702.

Course Logistics

- Class Schedule: Tuesday and Thursday, 03:00PM - 04:20PM Mountain Time (MST)
- Location: Texas Western Hall (TWHC) 312
- This course will be delivered in person. Nevertheless, we will be using the following tools:
 - MS Teams for all class communication (we will not use emails – the instructor reserves the right to use email at last resort if a student is not responsive on MS Teams)
 - OneNote for all class notes and file sharing
 - Zybooks for your textbook homework
 - Gradescope for all your graded work aside from Zybooks

By now, you should all have received an invitation to our team on MS Teams (and including access to our OneNote notebook) as well as to Gradescope.

- **Academic accommodations:** If you need an academic accommodation based on a disability, you should initiate the request with the [Center for Accommodations and Support Services \(CASS\)](#). The CASS will evaluate the request and recommend accommodations. Students should contact the CASS as soon as possible since timely notice is needed to coordinate accommodations.
 - *CASS-approved students are granted a 3-day extension for any submissions that are individual tasks.*

Required Textbook

1. Zybooks – Discrete Structures, by Zybooks, available at zybooks.zyante.com. To subscribe to your textbook, please enter the following code: **UTEPCS2202CeberioSpring2026**
2. Connecting Discrete Mathematics and Computer Science, by David Liben-Nowell, freely available at: <https://cs.carleton.edu/faculty/dln/book/>.

Course Policy Modifications

The Professor reserves the right to modify, change, or alter the syllabus, assignments, labs, and grading criteria of the course as deemed necessary to enhance the learning experience, accommodate unforeseen circumstances, or address the progress of the class. Any changes will be communicated promptly to students through official channels, such as email, Blackboard, and Microsoft Team.

COURSE ASSIGNMENTS AND GRADING

Students will be assessed based on the following categories:

1. Active Participation & Professionalism
2. Homework and In-Class Assignments
3. Exams & Quizzes

1. Class Participation & Professionalism

Attendance at, active participation in all lecture sessions, and professionalism throughout are critical factors of your success in this course and beyond.

1. Students should be on time for all scheduled sessions and attend the entire session. They are expected to be engaged with the lecture and class activities, not attending to other matters (homework from other classes, advising, texting, etc.). Attendance and attitudes towards learning will be taken and noted at every session.

2. Students should notify the instructor prior to missing a session if at all possible, and certainly right after if earlier was not possible.
3. It is the student's responsibility to obtain the content covered during missed class(es). Participation points also include completing post-lecture and post-lab online quizzes (when requested) that are administered as surveys to monitor students' overall progress and potential struggles.
4. Students are expected to check their MS Teams messages at least once a day during business days and reply as relevant and expected, so communication can be effective.
5. Students are expected to complete their work on time. Should an exceptional circumstance prevent a student from completing work on time, communication with the instructor is expected to determine a way forward.

Each student's attitude and behavior toward the above expectations will be recorded and count toward the participation and professionalism portion of their semester grade. Failure to remain in good standing with these expectations may result in being dropped from the course. Note, however, that a student may never stop attending the course and expect to be dropped. It is their responsibility, should they choose to drop, to do so.

2. Homework and In-Class Assignments

Homework assignments will consist of assignments on the course Zybooks (as already assigned for the whole duration of the course), readings on the second assigned textbook (to be announced in class), as well as additional work that may be assigned during class and to be completed by the following class.

If you miss a lecture session, it is your responsibility to find out what you missed. You should expect to spend at least 3 hours per week outside of lecture on reading, reviewing lectures, homework assignments, and further practice. Timely completion of your work on Zybooks is crucial to your success in the class since these activities prepare you for classwork.

3. Exams & Quizzes

There will be multiple (possibly unannounced) quizzes and one final exam. Quizzes are unannounced and there are no makeups. The final exam will take place on the last day of the part of term: March 11 at 3PM.

Repetitive testing is intended to help you understand the extent of what you need to know, to ensure that you are staying current with the topics covered in class. It also helps with your course performance as grading is based on mastery (where only your best performance in any given topic is recorded—similar to a superscore model).

Note: We all struggle at some point. Seeking appropriate accommodation or help is crucial to your success. If you have test-taking difficulties in general, or difficulties with our tests in particular, please request appropriate accommodation from UTEP's Center for Accommodation and Students' Services.

4. Grade

Grades are easily accessible on your **Zybooks** textbook (completion grade for your homework) and on **Gradescope** (quizzes and final exam grades). You are expected to check and keep track of your grades so you always know where you stand in the class. Most importantly, please look for feedback on your work so you can improve in future assignments. In case of doubt, you should contact me for clarification.

Your semester grade will be a combination of the performance you demonstrated on each of the following types of assignments:

Component	Weight
Active Participation & Professionalism	10%
Homework & In-Class Assignments	50%
Exams & Quizzes	40%

The nominal percentage-score-to-letter-grade conversion for CS2202 is as follows:

- 90% or higher is an A
- 80–89% is a B
- 70–79% is a C
- 60–69% is a D
- Below 60% is an F

Important Note: Regardless of your standing in the class at that time, to pass this class, you must obtain at least a C average and have completed and submitted all assignments.

Course Calendar

Week	Date	Topic / Focus	Zybook HW Due
Week 1	Tue, Mar 24	Advanced Counting: Inclusion–Exclusion Principle, Binomial Coefficients, Pigeonhole Principle	HW 1
	Thu, Mar 26		
Week 2	Tue, Mar 31	Probability: Fundamentals, Conditional Probability, Bayes’ Theorem, Random Variables, Expectation, Bernoulli Trials, Binomial Distribution	HW 2
	Thu, Apr 2		
Week 3	Tue, Apr 7		HW 3
	Thu, Apr 9		
Week 4	Tue, Apr 14		
	Thu, Apr 16		
Week 5	Tue, Apr 21		Graphs: Fundamentals, Graph Representations, Isomorphism, Paths and Cycles, Connectivity, Euler Circuits and Trails, Bipartite Graphs, Planar Graphs
	Thu, Apr 23		
Week 6	Tue, Apr 28	HW 6	
	Thu, Apr 30		
Week 7	Tue, May 5		
	Thu, May 7		
Final	Thu, May 14	Final Exam: 4:00 PM – 6:45 PM	

ADDITIONAL SUPPORT AND RESOURCES

Academic Support Everybody struggles at some point. It is important to reach out to your instructor if you feel that you are not on track. Most likely, your struggle is completely normal and part of your learning.

“If you are not confused, you are not paying attention.” — Tom Peters

However, if you need any help, it is best to consult with me and I can guide you toward useful resources.

UTEP Student Resources. UTEP provides a variety of student services and support:

- **UTEP Library:** Access a wide range of resources including online, full-text access to thousands of journals and eBooks, as well as reference services and librarian assistance.
- **Help Desk:** Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Helpdesk. Contact via phone (915-747-4357), email (helpdesk@utep.edu), chat, or website.
- **University Writing Center (UWC):** Submit papers for assistance with writing style and formatting, and receive tutoring support.
- **Math Tutoring Center (MaRCS):** Access tutoring and additional math learning resources.
- **Military Student Success Center (MSSC):** Supports military-affiliated students in achieving their educational goals through dedicated staff and tailored services.

COURSE POLICIES AND EXPECTATIONS

In addition to the expectations already stated earlier (about Class Participation & Professionalism), I want to emphasize again some core expectations as follows:

Course Conduct. I am committed to creating a safe learning environment. I request that all of you work with me to create a class culture based on open communication and mutual respect, where we approach all discussions with respect and civility. I strive to ensure an open and welcoming classroom for all of you. If I ever miss the mark, please don't hesitate to come and talk to me. We are all learning together.

Expectations. The bottom line about my expectations of you for this semester is that you behave professionally (as would be expected in the workplace) and remain engaged. Whether as part of a core requirement or by personal choice, you should look forward to the essential skills you will build from participating in this course.

Attendance and Participation. All lecture sessions are critical to your success in this course. You should strive to be on time for all scheduled sessions and attend the entire session. This is especially important given the accelerated nature of this course. Although attendance is not directly part of the grade (see Professionalism grade above), lack of attendance is a strong indicator of disengagement and often leads to failure. If you must miss a lecture, it is your responsibility to catch up by consulting peers, the instructor, and MS Teams materials. If you are going to miss class, arrive late, or leave early, you should inform me as soon as practical. Attendance will be taken to help support your progress. Communication is essential for me to assist you effectively.

School-Life Conflict. Many students face challenges due to work, family obligations, or unforeseen difficulties. If these impact your performance, please reach out immediately so we can develop a plan for your success. If you cannot attend drop-in hours, contact me via Teams to schedule a meeting.

Drop Policy. Being absent more than two times without communication and/or not replying to messages are strong risk factors for failure and may result in being dropped from the class.

Professionalism. You are expected to conduct yourself professionally both in and out of class. This includes timely submission of work, seeking help when needed, and meeting deadlines. During lectures, you must stay on task. Activities such as social networking, unrelated coursework, or distractions are not acceptable. You are encouraged to actively seek help via MS Teams and drop-in hours.

Work Outside of Class. You should expect to spend at least 3 hours per week outside of class on coursework.

Communication. You are expected to consult your emails and MS Teams (chat, posts, and oneNote class notebook) every business day, ideally twice on these days, and to promptly answer – within 1 business day. As your instructor, I apply the same rule to myself in my communication with you. Use of proper Netiquette (see below) is expected in all communications. [Now, life happens. If you or I fail to reply to a message in due time, let’s agree to resend our messages to gently nudge the message recipient. Of course, it is expected that missing messages should be the exception, not the norm.](#)

Late Work Policy. Late work is penalized through the professionalism grade. Additionally, all assignments must be submitted by the end of the semester to pass the class.

AI USE POLICY

All AI use must be disclosed. Please follow these guidelines:

- Include an appendix in each submission containing:
 - All prompts and AI responses (highlight prompts in yellow)
 - Original text if AI was used for rephrasing or grammar
 - Numbered prompts for citation (e.g., [AI-5])
- In the main body of your work:
 - Clearly distinguish AI-generated content using a different font color (e.g., blue)

Since AI can generate large amounts of content, it may be tempting to rely on it heavily. However, you must not submit work you do not understand. Any submitted material may be assessed in future evaluations (e.g., exams or presentations).

ACCOMMODATIONS POLICY

The University is committed to providing reasonable accommodations to students with documented disabilities. Students who become pregnant may also request reasonable accommodations, in accordance with state and federal laws and regulations and University policy. Accommodations that constitute undue hardship are not reasonable. If you need an academic accommodation, you should initiate the request with the [Center for Accommodations and Support Services \(CASS\)](#). Contact CASS at 915-747-5148, email them at cass@utep.edu, or apply for accommodations online via the CASS portal. The CASS will evaluate the request and recommend accommodations. Students should contact the CASS as soon as possible since timely notice is needed to coordinate accommodations.

INCOMPLETE GRADE POLICY

Incomplete grades may be requested only in exceptional circumstances after you have completed at least half of the course requirements. Talk to me immediately if you believe an incomplete is warranted. If granted, we will establish a contract of work to be completed with deadlines.

HONOR CODE AND SCHOLASTIC INTEGRITY

Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El Paso must be reported to the [Office of Community Standards](#) for possible disciplinary action. To learn more, please visit [HOOP: Student Conduct and Discipline](#).

Furthermore, see below:

Honor Code and Academic Integrity

Permissive but strict. If unsure, please ask the course staff!

- **OK** to search for information and ask questions publicly about the systems we're studying.
 - Always cite all resources you reference, including papers, online articles, and any information obtained from AI tools.
 - When using AI tools, include a link to your tool's search history (e.g., share your ChatGPT workspace) and mention this in your reports, labs, and final projects.
 - If you engage in public discussions, such as on Reddit, include the link to the discussion.
- **NOT OK** to copy solutions directly from AI tools or other sources.
 - Solutions should be your original work, reflecting your understanding and analysis.
- **NOT OK** to ask someone else to complete your assignments, labs, or projects.
 - Academic integrity requires that all submitted work is your own.
- **OK** to discuss questions and ideas with classmates.
 - Collaborative learning is encouraged, but you must disclose your discussion partners in your submissions.

- **NOT OK** to copy solutions from classmates.
 - While discussion is permitted, all submitted work must be completed independently.
- **OK** to incorporate existing solutions as part of your projects or assignments.
 - Properly cite these solutions and clearly distinguish your contributions from those of others.
- **NOT OK** to present someone else's solution as your own.
 - Always attribute credit where it is due, and clearly identify your original work.
- **OK** to publish your final project after the course is over.
 - We encourage you to share your work with the broader community, contributing to the field's body of knowledge.
- **NOT OK** to post your assignment solutions online during or after the course.
 - This protects the integrity of the course for future students and maintains academic standards.