

# MATH 302 Discrete Mathematics, Spring 2019

## Syllabus

**Lectures:** 11:30am–12:20pm, Mon, Wed, Fri. Blocker 164.

**Instructor:** Chun-Hung Liu, Blocker 631B, [chliu@math.tamu.edu](mailto:chliu@math.tamu.edu).

**Office hours:** 2:00pm-3:00pm Mon, 11:00am-12:00pm Tue, or by appointments.

**Course webpage:** <https://www.math.tamu.edu/~chliu/teaching/spring19math302.html>

**Textbook:** “Discrete Mathematics and Its Applications”, 7th edition, by Kenneth H. Rosen. McGraw Hill, ISBN 978-0-07-338309-5.

**Course Description:** This class is about discrete math. Topics include formal structures for describing data, algorithms and computing devices, theory and applications of sets, graphs and algebraic structures. We will cover most of sections in Chapters 1, 2, 3, 5, 6, 8, 9 in the textbook. Tentative schedule is included in another document.

**Learning outcomes:** The objective of this course is making students excel in basic notions and techniques in discrete math. Upon successful completion of this course, students will have the abilities to explore advanced or related topics in discrete mathematics.

**Prerequisites:** MATH 148, MATH 152 or MATH 172.

### Grading policy:

- Homework assignments (10%).

There will be one homework assignment almost every week. Practicing is the best way to absorb the materials covered in lectures. Collaboration and discussion for homework assignments are allowed, but you must write down the solutions on your own and submit your own copy.

No late assignment will be accepted except for university approved excuses. Deadline and detailed instructions will be included in the problem sheet of each assignment.

Only the best 10 grades among the assignments will be counted toward the final semester grade. Each assignment contains two types of questions: “required submission questions” and “suggested practice”. For each assignment, one of “required submission questions” will be chosen, and only this problem will be graded. The grade of this chosen problem is the grade of this assignment. We will announce which problem is chosen after the grading is complete. The solutions of all “required submission questions” will be posted at the course website at eCampus.

- Quizzes (10%).

There will be 11 in-class quizzes. The quiz with the lowest grade will not be counted toward the final semester grade, so only the best 10 grades among these 11 quizzes will be counted. If you miss a quiz, it will be counted as 0 point. No make-up quiz will be granted unless you have missed a quiz due to university approved excuses prior to this quiz.

- 2 midterm exams (40%: 20% for each midterm exam).

Exam dates: **February 22 Friday**, and **April 3 Wednesday**.

Both of them will be in-class.

- Final exam (40%)

Exam dates: **May 7 Tuesday, 10:30am-12:30pm** (official final exam schedule).

No collaboration or discussion are allowed for the midterm and final exams. Detailed instructions will be given in the problem sheets.

For the final semester grade, students who get **90%-100% of points will be an A, 80%-90% of points will be a B, 70%-80% of points will be a C, 60%-70% of points will be a D, and an F for otherwise.**

Grades record will be frequently updated at the course website at eCampus. You are required to frequently check the correctness of the grades record posted there. Requests for record correction or regrading for any question in quizzes or assignments should be made by the end of the lecture after it is returned. The deadline for requesting regrading midterm or final exams will be announced when the grading is complete.

**Attendance policy:** Attending lectures is expected. See student rule 7 (<https://student-rules.tamu.edu/rule07/>).

**Make-up policy:** Make-ups for missed exams or quizzes will be given only if the absence is due to university approved excuses. To request a make-up quiz, you have to meet the requirement mentioned in the **Grading policy** section stated above. Based on university rules, all absence notifications should be sent to the instructor in writing no later than the end of the next working day after the absence (and prior to the absence if possible). The make-up should be done within one week after you return school. Details about university approved excuses can be found in student rule 7 (<https://student-rules.tamu.edu/rule07/>).

**Scholastic dishonesty:** *“An Aggie does not lie, cheat or steal, or tolerate those who do.”* You are required to obey the Honor Code. Cheating in any form is not acceptable. See student rules and <http://aggiehonor.tamu.edu/> for more information about scholastic dishonesty.

**Copyright:** All printed handouts and materials posted at the websites for this course are protected by US Copyright Laws. It is not allowed to share these materials with any person not enrolled in this class.

**Americans with Disabilities Act (ADA) Policy Statement:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit <http://disability.tamu.edu>.