

MATH 2220  
DISCRETE MATHEMATICS

TEXTBOOK            Electronic Textbook *Discrete Mathematics* via Dr. Nguyen's course website.

CHAPTERS COVERED

Chapter 1	Set Theory
Chapter 2	Logic and Boolean Algebra
Chapter 3	Functions
Chapter 4	Relations and Digraphs
Chapter 5	Induction and Recursion
Chapter 6	Graphs and Trees

INSTRUCTIONAL INFORMATION    This is a fifteen-week long online class. Readings and online practices will be daily activities and participations. Class materials and assignments can be found on Canvas course shell. Overall schedule on Canvas will offer you opportunities to practice your daily tasks in advance if possible and organize your schedule at your own conveniences.

No math typesetting skills required for taking the course. Some free- download mobile apps will need to be installed for purposes of communications, interactions, and task submissions.

All homework assignments, quizzes, and exams will be submitted online. There will be no face-to-face meeting.

EXPECTATIONS            It is expected that each member of the class will

- keep up with readings and practice assignments on the daily basis,
- submit quizzes, exams, and final project on time,
- submit and organize all the assigned tasks as instructed,
- participate in online discussions when required in a creative but responsible manner,
- and contact your professor via email for help if you confront any difficulty,

The quality of your experience in this course depends on everyone striving to meet these above expectations.

EXAMS

- Exam 1 will cover chapters 1 and 2
- Exam 2 will cover chapters 3, 4, and 5

ONLINE  
PRACTICES  
& HOMEWORK

Online practices are arranged on each reading section. Written homework will be assigned at the end of each reading period for practices and preparations for quizzes and exams.

PROJECT

A final project over the logic and graph functions will be posted after Exam 2

QUIZZES

- Quiz 1 will be given at the end of chapter 1 readings and practices
- Quiz 2 will be given at the end of chapter 4 readings and practices

GRADE

Online homework, practices, & challenge problems	30%
Quizzes	20%
Exams	40%
Final Project	<u>10%</u>
Total	100%

Letter grade: A: 90%, B: 80 – 89%, C: 70 – 79%, D: 60 – 69%, F: < 60%