

MONTGOMERY COLLEGE - Germantown Campus
Mathematics & Statistics Department
Course Syllabus

I. Instructor Information

Professor: Zhou Dong

Email: Zhou.Dong@MontgomeryCollege.edu

Phone: (240) 567-7810

Office: HT 134

Mail box: HT 314

Office Hours:

Tuesday	Thursday	Friday
10:00 am – 12:00 pm	10:00 am – 12:00 pm	12:30 pm – 1:30 pm

You may also schedule an appointment outside of these times.

Learning Assistant: Monthe Ytembe Christopher Raoul

Email: mchris61@montgomerycollege.edu

Office Hours: Mondays and Wednesdays 12:15 – 1:00 pm

II. General Course Information

CMSC/MATH 207 - Introduction to Discrete Structures (Formerly CS256)

4 Semester Hours

An introduction to discrete structures as they relate to computer science. The course will stress computer science applications and will include relations, functions and algorithms, Naive Set Theory, combinatorics, logic, and mathematical induction.

PREREQUISITE:

ENGL101/ENGL101A or appropriate score on English assessment test, and MATH 182.

Spring 2020: CMSC207 CRN 34020 / MATH207 CRN 34019

Class Times: MW 1:00 pm – 2:40 pm

Class Room: HT 104

III. Common Course Student Learning Outcomes

Upon course completion, a student will be able to:

- Apply the mathematical concepts studied to specific problems.
- Demonstrate various proof techniques.
- Apply logic skills to specific arguments.

IV. Textbooks, Workbooks, and Supplies

Required materials for the course:

- *Discrete Mathematics with Applications* (5th edition), by Susanna Epp, Cengage Learning, 2019. (The ebook is available with WebAssign).
- *WebAssign Access Code* – for access to online homework and the ebook Class Key to enroll on WebAssign: **montgomerycollege 3049 6832**
- *Remind group* – for course announcements and communication.
Link to join our class group: <https://www.remind.com/join/mcdiscrete>

While a calculator is not required for the course, you are allowed to use a basic four-function calculator on tests. No graphing or scientific calculators are allowed.

V. Course Requirements

A. Course Grade

Your course grade will be calculated as follows:

Category	Weight	Final Grading Scale	
Homework	15%	Overall Percentage	Final Grade
Quizzes	15%	90% - 100%	A
Exam 1	20%	80% - 89%	B
Exam 2	20%	70% - 79%	C
Final Exam	30%	60% - 69%	D
Total	100%	< 60%	F

B. Make-up Policy

It is expected that students take all quizzes/exams when scheduled. Once a quiz/exam has been given, its contents are assumed to be public knowledge. There are NO make-ups for quizzes/exams. Neither quizzes nor exams will be administered late. If you miss an exam, the 0% score will be replaced by your final exam score. If you do not miss any exams, your lowest exam score will be replaced by your final exam score if your final exam score is higher. No exam scores are dropped.

VI. Student Code of Conduct

A. Standards of College Behavior

Students are expected to adhere to the Montgomery College Student Code of Conduct: https://www.montgomerycollege.edu/_documents/policies-and-procedures/42001-student-code-of-conduct.pdf

B. Academic Honesty

All assessments in this class are closed-notes, closed-book, and individual. No collaboration is allowed on any assessment. Students should refer to the Student Code of Conduct or the following excerpt for more details:

https://www.montgomerycollege.edu/_documents/academics/support/learning-centers/writing-reading-learning-ctr-germantown/academic-dishonesty-and-how-it-is-handled.pdf

For the final exam only - students can bring one sided index card with hand written notes.

VII. Collegewide Policies and Procedures

A. Attendance Policy

Students are expected to attend all class sessions. Excessive absences may result in the student being dropped from the course.

B. Withdrawal and Refund Dates

- Refund Drop Deadline – February 2, 2020
- No Grade Drop & Audit/Credit Deadline – February 16, 2020
- W Grade Drop Deadline – April 19, 2020

C. Audit Policy

All students registered for audit are required to consult with the instructor before or during the first class session in which they are in audit status, and students are required to participate in all course activities unless otherwise agreed upon by the student and instructor at the time of consultation. Failure to consult with the instructor or to so participate may result in the grade of “W” being awarded. This action may be taken by the instructor by changing the “AU” to “W” before the drop with “W” date.

D. Disability Support Services

Any student who needs an accommodation due to a disability should make an appointment to see me during my office hours. In order to receive accommodations, a letter from Disability Support Services (G-SA 189; R-CB 122; or TP/SS-ST 122) will be needed. Any student who may need assistance in the event of an emergency evacuation must identify to the Disability Support Services Office; guidelines for emergency evacuations for individuals with disabilities are found at:

<http://www.montgomerycollege.edu/dss>

E. Veteran’s Services

If you are a veteran or on active or reserve status and you are interested in information regarding opportunities, programs and/or services, please visit the Combat2College website at <http://www.montgomerycollege.edu/combat2college>

F. Delayed Opening or Closing of the College

If a class can meet for 50% or more of its regularly scheduled meeting time OR if the class can meet for 50 minutes or more, it will meet. Montgomery College will always operate on its regular schedule unless otherwise announced. Depending on the nature of the incident, notifications of emergencies and changes to the College’s operational status will be communicated through one or more communication methods including the College’s website <http://www.montgomerycollege.edu>. For the most up-to-date information regarding College openings, closings, or emergencies, all students, faculty, and staff are encouraged to sign up for email and text alerts via Montgomery College ALERT. Registration information is available at <http://www.montgomerycollege.edu/emergency>.

G. Communication

This course will use your official Montgomery College email address and the course Remind group for communication.

VIII. Schedule

Date	Topic	Quiz/Exam Content
Mon 1/27	Introduction	
Wed 1/29	1.1, 1.2, 1.3, 1.4,	
Mon 2/03	2.1, 2.2, 2.3, 2.4,	
Wed 2/05	2.5, 3.1, 3.2, 3.3, QUIZ 1	1.1, 1.2, 1.3, 1.4
Mon 2/10	3.4, 4.1, 4.2, 4.3, QUIZ 2	2.1, 2.2, 2.3, 2.4
Wed 2/12	4.4, 4.5, 4.6, QUIZ 3	2.5, 3.1, 3.2, 3.3
Mon 2/17	4.7, 4.8, 4.9, 4.10, QUIZ 4	3.4, 4.1, 4.2, 4.3
Wed 2/19	5.1, 5.2, QUIZ 5	4.4, 4.5, 4.6
Mon 2/24	Exam 1 Review (K. Weiland ESIOT)	
Wed 2/26	EXAM 1	Chapter 1, 2, 3
Mon 3/02	5.3, 5.4, QUIZ 6	4.7, 4.8, 4.9, 4.10
Wed 3/04	5.6, 6.1, QUIZ 7	5.1, 5.2
Mon 3/09	6.2, 6.3, QUIZ 8	5.3, 5.4
Wed 3/11	7.1, 7.2, QUIZ 9	5.6, 6.1
<i>Spring Break</i>		
Mon 3/23	7.3, 7.4, QUIZ 10	6.2, 6.3
Wed 3/25	8.1, 8.2, QUIZ 11	7.1, 7.2
Mon 3/30	8.3, 8.4, QUIZ 12	7.3, 7.4
Wed 4/01	9.1, 9.2, QUIZ 13	8.1, 8.2
Mon 4/06	Exam 2 Review	
Wed 4/08	EXAM 2	Chapter 4, 5, 6, 7
Mon 4/13	9.3, 9.4, QUIZ 14	8.3, 8.4
Wed 4/15	9.5, 9.6, QUIZ 15	9.1, 9.2
Mon 4/20	9.7, 10.1, QUIZ 16	9.3, 9.4
Wed 4/22	10.4, 10.5, 10.6, QUIZ 17	9.5, 9.6
Mon 4/27	12.1, 12.2, QUIZ 18	9.7, 10.1
Wed 4/29	Final Exam Review, QUIZ 19	10.4, 10.5, 10.6
Mon 5/04	Final Exam Review, QUIZ 20	12.1, 12.2
Wed 5/06	Final Exam Review	
Wed 5/13	Final Exam (12:30 - 2:30 pm)	Cumulative

The professor reserves the right to make changes to this syllabus.

Last Updated June 29, 2021