MONTGOMERY COLLEGE
Course Syllabus
Mathematics, Statistics, and Data Science Department
CMSC 207HM
Spring 2023

I.   Contact Information
Professor: Zhou Dong
Email: Zhou.Dong@MontgomeryCollege.edu
Phone: (240) 567-7810
Office: HT 134 Germantown campus

Office Hours: By appointment
[Click here to book an appointment](#)

Tuesday	9:30 am – 3:00 pm
Thursday	12:00 pm – 3:00 pm

II.   General Course Information
Discrete Structures Honors Module – CMSC 207HM Attached to CMSC/MATH 207
CRN 32186

HONORS ELIGIBILITY:
- SAT score of 600 or above on each section
  OR
- Completion of at least 12 Montgomery College credits
- Cumulative 3.4 grade point average or higher
- Grade of A or B in ENGL 101/011 or Eligible for ENGL 102

III.   Honors Course Outcomes
Upon course completion, a student will be able to:
- Explain the context and significance of at least one of the mathematical concepts studied in the course.
- Demonstrate at least one proof technique or algorithm through a computer program.
- Discuss the role of logic in computer science.

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

Last Updated July 29, 2024

IV.   Grading

A.   Requirements

1. The student will learn the basics of combinatorial game theory from <u>Lessons in Play: An Introduction to Combinatorial Game Theory</u>, Second Edition by Michael H. Albert, Richard J. Nowakowski, David Wolfe
2. The student will research a combinatorial game
3. The student will make a poster and/or oral presentation of the research

B.   Honors Coursework Schedule

Honors students will have weekly meetings with the professor outside of regular class meetings. The meeting time will be mutually agreed upon by the student and professor. Meetings will usually take 30 to 60 minutes.

C.   Honors Projects Grade

The honors module work will make up 15% of the student's overall grade for the course.

Regular coursework 85%	Homework	5%
	Quizzes	10%
	Exam 1	15%
	Exam 2	15%
	Exam 3	15%
	Final Exam	25%
Honors coursework 15%	Research	10%
	Presentation	5%
	Total	100%

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