MONTGOMERY COLLEGE - Germantown Campus

Mathematics, Statistics, and Data Science

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.

II. General Course Information

Discrete Structures Honors Module – CMSC/MATH 207HM
Attached to CMSC/MATH 207 CRN 34020 / 34019

HONORS ELIGIBILITY:

- SAT score of 600 or above on each section
  OR
- Completion of at least 12 Montgomery College credits
- Cumulative 3.2 grade point average or higher
- Grade of A or B in ENGL 101 or ENGL 101A or Eligible for ENGL 102

Spring 2020: CRN 35909/35908
Class Times: MW 1:00 pm – 2:40 pm
Class Room: HT 104

III. Grading

A. Requirements

The student will select two projects from the "Learning Discrete Mathematics and Computer Science via Primary Historical Sources" projects archive in consultation with the instructor. For each project, the student will complete the reading and selected exercises as agreed upon with the instructor. The student will create a presentation (oral or poster) or write a reflection paper based on one or both projects. Presentations will be delivered during the last week of classes. All work pertaining to the honors projects should be typeset in LaTeX and saved as a PDF file.

Useful links:

- "Learning Discrete Mathematics and Computer Science via Primary Historical Sources" projects website https://www.cs.nmsu.edu/historical-projects/
- LaTeX website with general info and documentation https://www.latex-project.org/
- Overleaf – free online LaTeX editor https://www.overleaf.com/

While not a requirement, students are strongly encouraged to present their project at the 4th annual Montgomery College STEM Undergraduate Research Conference on May 19. Conference will take place in the BE building on the Germantown campus.

B. 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	20%
	Exam 2	20%
	Final Exam	30%
Honors coursework 15%	Project 1	5%
	Project 2	5%
	Presentation/Paper	5%
	Total	100%

C. Standards

See syllabus for CMSC/MATH 207 CRN 34020 / 34019

IV. 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. Honors Coursework Meeting Schedule:

Week	Discussion topic
Week 1: 1/27 – 1/31	Honors syllabus, expectations, and meeting schedule
Week 2: 2/3 – 2/7	Select projects
Week 3: 2/10 – 2/14	Project 1 – Meeting 1
Week 4: 2/17 – 2/21	Project 1 – Meeting 2
Week 5: 2/24 – 2/28	Project 1 – Meeting 3
Week 6: 3/2 – 3/6	Project 1 – Meeting 4
Week 7: 3/9 – 3/13	Presentation/Paper – Brainstorm Ideas
Spring Break	
Week 8: 3/23 – 3/27	Project 2 – Meeting 1

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

Last Updated January 24, 2020

Week 9: 3/30 – 4/3	Project 2 – Meeting 2
Week 10: 4/6 – 4/10	Project 2 – Meeting 3
Week 11: 4/13 – 4/17	Project 2 – Meeting 4
Week 12: 4/20 – 4/24	Presentation/Paper – First draft
Week 13: 4/27 – 5/1	Presentation/Paper – Final draft
Week 14: 5/4 – 5/8	Presentation Delivery or Paper Due