

MONTGOMERY COLLEGE

Course Syllabus

Mathematics, Statistics, and Data Science Department

I. Contact Information

Professor: Zhou Dong

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Phone: (240) 567-7810

Office: HT 134 Germantown campus

Office Hours:

Monday, Wednesday, Friday 11:00 am – 11:50 am	Drop-in or appointments
Tuesday, Thursday 12:30 pm – 1:30 pm	By appointment only

[Click here to book an appointment](#)

II. General Course Information

Calculus II Honors Module – MATH182HM (Attached to MATH182 CRN22803)

PREREQUISITE:

- 3.4 or higher GPA
- minimum 12 academic credits at MC
- B or A in ENGL 101

Fall 2024: CRN 23816

Class Times: TR 10:00 am – 12:15 pm

Class Room: HT 400

III. Grading

A. Requirements

1. The student will complete one full-length or two mini “Primary Source Projects” (PSPs) in consultation with the instructor from these two repositories:
 - Transforming Instruction in Undergraduate Mathematics via Primary Historical Sources (TRIUMPHS)
<https://blogs.ursinus.edu/triumphs/>
 - Learning Discrete Mathematics and Computer Science via Primary Historical Sources

<https://old.maa.org/press/periodicals/convergence/primary-historical-sources-in-the-classroom-discrete-mathematics-and-computer-science>

Note: Students are not limited to topics within calculus.

- The student will learn the basics of typesetting in LaTeX using Overleaf (<https://www.overleaf.com/>). Each PSP's tasks and exercises must be typeset in LaTeX and students must submit both the .tex file and the compiled .pdf file.
- The student will create a 15-20 minute presentation along with an annotated bibliography based on their PSP(s). The presentation will be delivered during the last week of classes.

B. Honors Coursework Schedule

Date	Honors Coursework due
Fri 9/13	Final Selection of PSP's
Fri 9/20	PSP Check-in 1
Fri 10/4	PSP Check-in 2
Fri 10/18	PSP Check-in 3
Fri 11/1	PSP Check-in 4
Fri 11/8	Final PSP Check-in and Presentation Outline
Fri 11/15	Presentation & Bibliography – draft
Fri 11/22	Presentation & Bibliography – final
Fri 12/6	Presentation rehearsal
Tue 12/10 Or Thu 12/12	Presentation Delivery
Sat 12/21	PSP write-ups, Presentation & Bibliography – final draft

C. Honors Module Grade

In addition to the regular course standards, final letter grades will be determined according to this rubric including the honors coursework:

Core Standards	All Standards (Core and Elective)	Honors Coursework	Final Grade
Mastery on all	Average score is 3.5 or above	Complete and satisfactory Or Partially complete and satisfactory	A
Mastery on all	Average score is 3.5 or above	Unsatisfactory	B
Mastery on all	Average score is between 3 and 3.5	Complete and satisfactory	A
Mastery on all	Average score is between 3 and 3.5	Partially complete and satisfactory	B

Mastery on all	Average score is between 3 and 3.5	Unsatisfactory	C
Mastery on all	Average score is below 3	Complete and satisfactory	B
Mastery on all	Average score is below 3	Partially complete and satisfactory Or Unsatisfactory	C
Not all mastered	Average score is 2 or above	Not applicable	D
Not all mastered	Average score is below 2	Not applicable	F

Honors coursework rubric:

Primary Source Project(s)	<p>Complete and satisfactory work means student completed all tasks within the selected project(s) and typeset the answers in LaTeX, submitting both the .tex and .pdf files.</p> <p>Partially complete and satisfactory work means student completed most tasks within the selected project(s) and made a good faith effort at typesetting the answers in LaTeX.</p> <p>All work below the level described above would be unsatisfactory.</p>
Presentation	<p>Complete and satisfactory work means student met with the professor to discuss drafts of the presentation, practiced delivering the presentation, and successfully delivered the presentation at the appointed time.</p> <p>Partially complete and satisfactory work means student did not turn in drafts of the presentation or did not make revisions as requested but still delivered the presentation.</p> <p>All work below the level described above would be unsatisfactory.</p>
Annotated Bibliography	<p>Complete and satisfactory work means student correctly cited all sources used in the presentation in APA format and provided annotation for each source.</p> <p>Partially complete and satisfactory work means student cited all sources used in the presentation but made mistakes in the format and/or failed to annotate each source.</p> <p>All work below the level described above would be unsatisfactory.</p>

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

Last Updated September 4, 2024