

**MONTGOMERY COLLEGE - Germantown Campus****Mathematics & Statistics Department****Course Syllabus****I. Instructor Information**

See Syllabus for MATH181 Calculus I CRN 21197

**II. General Course Information**

Calculus I Honors Module – MATH181HM (Attached to MATH181)

**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

Fall 2023

MATH 181 HM CRN 23772

Attached to MATH181 CRN 21197

**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://www.cs.nmsu.edu/historical-projects/>
- Note: Students are not limited to topics within calculus.
2. 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.
  3. 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 9/8	Selection of PSP's
Fri 9/15	PSP Check-in 1
Fri 9/29	PSP Check-in 2
Fri 10/13	PSP Check-in 3
Fri 10/27	PSP Check-in 4
Fri 11/3	PSP Final Check-in and Presentation outline
Tue 11/17	Presentation & Bibliography – draft
Fri 12/1	Presentation & Bibliography – final and Presentation rehearsal
Mon 12/4 - Fri 12/8	Presentation Delivery

## 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><b>Complete and satisfactory</b> 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><b>Partially complete and satisfactory</b> 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 <b>unsatisfactory</b>.</p>
Presentation	<p><b>Complete and satisfactory</b> 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><b>Partially complete and satisfactory</b> 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 <b>unsatisfactory</b>.</p>
Annotated Bibliography	<p><b>Complete and satisfactory</b> work means student correctly cited all sources used in the presentation in APA format and provided annotation for each source.</p> <p><b>Partially complete and satisfactory</b> 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 <b>unsatisfactory</b>.</p>

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

*Last Updated July 28, 2024*