

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

See Syllabus for MATH181 Calculus I CRN 22780

II. General Course Information

Calculus I Honors Module – MATH181HM (Attached to MATH181 CRN 22780)

PREREQUISITE:

- ~ 3.2 or higher GPA
- ~ minimum 12 academic credits at MC
- ~ B or A in ENGL 101

Fall 2021: CRN 25137

Attached to MATH181 CRN 22780

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
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Fri 9/10	Selection of PSP's
Fri 9/17	PSP Check-in 1
Fri 10/01	PSP Check-in 2
Fri 10/22	PSP Check-in 3
Fri 11/05	PSP Check-in 4
Fri 11/19	Presentation & Bibliography – first draft
Fri 12/03	Presentation & Bibliography – second draft
Mon 12/06 - Fri 12/10	Presentations
Sat 12/18	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 3.4 or above	Complete and satisfactory Or Partially complete and satisfactory	A
Mastery on all	Average score is 3.4 or above	Unsatisfactory	B
Mastery on all	Average score is between 3 and 3.4	Complete and satisfactory	A
Mastery on all	Average score is between 3 and 3.4	Partially complete and satisfactory	B
Mastery on all	Average score is between 3 and 3.4	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)	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.
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	<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 3, 2021