

# Elementary Calculus

## Math 1830 - 003 Spring 2021

**Class:** MWF 11:30 am - 12:25 pm, Remote Synchronous

**Instructor:** Dr. Chao Liu (Ralph Faudree Assistant professor)

**E-mail:** cliu7@memphis.edu

**Webpage:** <https://chaoliu.science/teaching>

**Office:** Dunn Hall 366

**Office Hours:** By appointment (video consultation)

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**Course Description:** Calculus of one real variable related to rational, exponential, and logarithmic functions. Topics include the limits of functions, derivatives of algebraic, exponential, and logarithmic functions and their inverses and the definite integral and its applications.

**Required Material:** MyMathLab

**Course ID:** liu63250

How to register: <https://chaoliu.science/teaching/2021/1830-003-Registration.pdf>

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**Grades:** Your final grade depends on a combination of your Homework Average (25%), Test Average (40%), Attendance & Participation (5%), and the Final Exam (30%). Keep the following in mind:

- There will be 3 mid-semester tests.
- Make-up tests will only be given in exceptional circumstances, and even then, only if prior notice is given.
- Your lowest two homework scores will be dropped when computing your homework average.
- Your lowest test score will be dropped.

**Attendance:** Class attendance is important, every student is required to be in class, on time, and stay for the entire class period for each class session. If you miss a class, you are responsible for finding out what topics were covered and for completing any missed work.

**Chat:** Be polite. Choose your words carefully. Do not use derogatory statements. Keep comments constructive and respectful of all course participants.

**Email Rules:** All email correspondence must be made through your University of Memphis email account.

**Homework:** Be sure to check MyMathLab regularly. Do NOT wait until the last minute to complete a homework assignment.

**Camera:** All the dates for the tests will be announced beforehand in class. You will need to use a computer/device with working camera, microphone and speaker. Your video and audio will be on throughout the exam with a proper set up. The camera should be positioned so that the student's work area (desk or table-top) is visible, as well as the upper portion of the student themselves, during the entirety of the exam.

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**Prerequisites:** At least one of the following criteria must be met to enroll in Math 1830:  
Math 1710 with a minimum grade of C-,  
Math 1730 with a minimum grade of C-,  
A score of 61 or better on the ALEKS math assessment test.

**Note:** Only one of Math 1830 or Math 1910 may be used to satisfy degree requirements. Students who score a 3 on the AP Calculus AB series exam can obtain credit for Math 1830. This course will not satisfy degree requirements for STEM major students (except for biology students). Also, it does not satisfy prerequisite requirements for Math 1920.

**Disabilities:** Any student who anticipates physical or academic barriers based on the impact of a disability should contact Disability Resources for Students (DRS) at 110 Wilder Tower, 901.678.2880 at the earliest opportunity. DRS coordinates access and accommodations for students with disabilities. You must give your instructor a copy of any accommodation memos provided by the DRS within the first week of class.

**Syllabus Changes:** The instructor reserves the right to make changes to the syllabus. These changes will be announced as early as possible so that students can adjust their schedules.

**Academic Integrity:** Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly, through participation or assistance will receive a zero, in addition to other possible disciplinary sanction which may be imposed through the regular institutional disciplinary procedures.

**COVID-19 Notice:** <https://www.memphis.edu/msci/news/covid.php>