

# Math 1710 - 004 College Algebra

**Class:** Dunn Hall 351, TR 9:40-11:05am      Final Exam: T, Nov 24, 10:30a-12:30p

**Instructor:** Dr. Chao Liu

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

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

**Office:** Dunn Hall 366

**Office Hours:** TR 11:15-12:15am, and video consultation available by appointment

## Course Delivery

This course is being offered as an Online Course for at least one month, and may be allowed to meet face-to-face when things improve in Memphis. Office hours will be held online, too. The time and URL for each Zoom meeting will be communicated in advance via e-mail or via eCourseware. COVID-19 Notice: <https://www.memphis.edu/msci/news/covid.php>

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## Course Material.

- A basic scientific calculator is needed for this course. You can use a graphing calculator, too. You may not use a CAS calculator.
- Textbook: *College Algebra*. UofM Custom Edition with MyMathLab by Beecher, Penna, Bittinger. IMPORTANT: When purchasing the textbook, be sure it includes the MyMathLab Access Codes (see below).

## MyMathLab.

We shall be using the MyMathLab for homework and at least some of the tests. For this you will need to purchase an access code. This comes either with your textbook, or can be purchased directly with a credit card when registering online at the Pearson website. Both options include an electronic e-version of the textbook.

- Info Sheet: <https://chaoliu.science/teaching/2020/1710-004-Registration.pdf>
- Course ID: **liu94859**, Course name: **MATH 1710 - 004 - Fall 2020**
- Website: <http://mymathlab.com>, tech support number: 844.292.7015.
- If, for some reason, you are unable to obtain the textbook/access codes within the first week, there is an option when registering at the Pearson website to use a 14-day free trial version. However, you will still need to obtain a permanent access code later.

- If you experience problems with the Pearson interface, please contact Pearson directly for assistance.
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## **Grades.**

Your final grade depends on a combination of your Homework Average (30%), Quizzes(15%), Your Test Average (30%), and the Final Exam (25%). Keep the following in mind:

- There will be 3 mid-semester tests.
- Your lowest two homework scores will be dropped when computing your homework average.
- Your lowest test score will be dropped.
- Make-up tests will only be given in exceptional circumstances, and even then, only if prior notice is given.
- All tests and the final will be weighted to adjust for difficulty (this will only improve your score).

## **Tutoring.**

If you need help in the course, please do not hesitate to ask me. I will be available during office hours and will gladly meet with you at other times, if necessary.

Also, free tutoring is available through the University's Education Support Programs. They offer a drop-in tutoring service in the Math Learning Center in DH 143 and online assistance.

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**Course Description:** (3 credit hours.) Analysis of functions (linear, quadratic, polynomial, root, rational, exponential, logarithmic); partial fractions; conic sections; theory of equations; inequalities; applications.

We aim to cover Chapters R–4 in our textbook. If time permits, additional material will be covered.

**Prerequisites:** ALEKS math assessment test. An ALEKS score of 46–60 places you in regular sections of Math 1710. An ALEKS score of 30–45 places you in combo sections of Math 1710.

**Student population:** Lower Division Students. This course is a prerequisite for Elementary Calculus (Math 1830) and Trigonometry (Math 1720), and will fulfill a lower division mathematics requirement in some degree programs (confirm with your academic advisor). Note: only one of Math 1710 or Math 1730 may be used to satisfy degree requirements.

**Course Objectives:** To expand the student's ability to analyze linear, quadratic, polynomial, root, rational, exponential, and logarithmic functions using graphical, numerical and analytic methods. Through the graphical analysis and through the methods of partial fractions,

synthetic division, theory of equations and inequalities to extend the student's ability to solve problems with algebraic tools in a variety of applications.

**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.**

**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.

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

**Plus/minus grades may be used.** Grading scale to be determined.

**Homework:** Homework will be assigned, and must be finished before the due date for you to get credit. **Be sure to check MyMathLab and eCourseware regularly.** Homework assignments will be posted with their due dates and also announced in class. Look at the due date and due TIME of an assignment very carefully. Do NOT wait until the last minute to complete a homework assignment. Pearson can crash, particularly if overwhelmed with students all trying to complete the assignment at once.

**Quizzes & Tests:** There will be a number of quizzes/ tests for this course. You must be present in class to take each test. Quizzes can be in-class or out-of-class, unannounced or announced in advance.

\* 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:** I encourage you to work with your classmates on homework or to have study groups for tests; however, letting someone else do all the work while you just sit back and copy will not help you on your tests. Copying the work of others is not going to help you understand the material or pass the course.

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.