MATH 1730:Pre-Calculus - 14972 - MATH 1730 – 001/Spring 2021
University of Memphis, Main Campus
Lecture Schedule Type: Hybrid Instructional Method
4.000 Credits hours
Syllabus

Course Information

COURSE DESCRIPTION

Description: Exponents, radicals, quadratic functions, inequalities; relations and functions; inverse, exponential and logarithmic functions; solution of algebraic systems; trigonometric functions, identities, equations and graphs; angle measurements; sum, difference, half-angle and double-angle formulas; solution of triangles, laws of sines and cosines. PREREQUISITE: MATH 1710 with a minimum grade of C- or an ACT MATH subscore of at least 24. [G]

OBJECTIVES

A one-semester, four-hour course designed to review material covered in three years of high school algebra and analytic geometry. This course is referred to as "Pre-Calculus" since it is intended to prepare students with the mathematical background needed to take a course or course sequence in college-level calculus. Topics to be covered include an extremely fast-paced review of algebra (algebraic notation, solving equations and inequalities, rules for exponents and square roots, rational and radical expressions), functions and graphs, exponential and logarithmic functions, the definitions of the trigonometric functions in terms of the unit circle, graphs of the trigonometric functions and their inverses, using trigonometric identities, solution sets for trigonometric equations and applications of trigonometry Course

PREREQUISITE: MATH 1710 with a minimum grade of C- or an ACT MATH subscore of at least 24. [G]

SPECIFIC COURSE REQUIREMENTS

**Important Message**: This is a Hybrid course. We are scheduled for Monday, Tuesday, and Wednesday. "To do a proper hybrid class, I will split the class into three groups and assign each group to one day. I will lecture in the classroom each day (MTW) with the given group and broadcast and record the lectures via zoom for the other groups. On the days' students are not assigned to come to my in-person class, they should watch the lectures remotely.
Attendance is required and please read the policy in your syllabus. If a student is missing more than the allowable number of unexcused absences (usually two), or if they are not coming early in the semester, I am required to send a notice to the Early Intervention system.
The desks in the rooms are marked as to which ones are allowed to be occupied. We are trying to assign each class to a room that holds 1/3 of the total enrollment with the current markings. It's not optimal, but it is what it is. I did not choose this plan, the UoM did, I just implement it."

It is more efficient to have access to a good computer or laptop with internet access and have a minimum of basic computer skills.It is also resourceful to be able to follow and understand the given guidelines.

Textbooks, Supplementary Materials, Hardware and Software Requirements

REQUIRED MATERIAL:

Textbook: Precalculus: Functions and Graphs, by Swokowski and Cole (Brooks/Cole, 13th edition). The WebAssign Access Code is required.

A TI 83 or 85 graphing utility calculator (recommended not required).

HARDWARE AND SOFTWARE REQUIREMENTS

The minimum requirements can be found at http://www.memphis.edu/uofmonline/technical.php.

Instructor Information

**Instructor: Alpha BA
E-mail: alphaba@memphis.edu
Office: Dunn Hall 374
Virtual/Office Hours: W 10:00-11:00
Class Time and Location: MW 12:40-2:05pm AND T 1:00-1:55pm in Dunn Hall
Phone: (901) 678-1757**

**For more information about me please open this link in new tab  http://www.memphis.edu/msci/people/alphaba.php**

Assessment and Grading

TESTING PROCEDURES:

There will be 6 Tests/Exams and 1 Proctored comprehensive final exam. I will drop (only 1) the lowest exam/Test grade except for the Comp. Final exam. The Homework can be found on WebAssign.

GRADING PROCEDURE

Your **final grade** will be determined by the:

- **Attendance** (Please include your full name when signing into zoom, so that I can accurately record your attendance after class is over)

- **The Proctored Comprehensive Final exam,**

- **Your homework average and**

- **The best 5 tests/exams score** for the semester

Test(s)   :        5 Tests @ 10% each = 50%

Homework sets :      20%

Final Exam     :      20%

Attendance:          10%

GRADING SCALE

90-100 - A

80-89 - B

70-79 - C

60-69 - D

below 60 -F

**Make-up Policy**: There is no make-up allowed on tests. The only exception is if a student misses a test for a school-sponsored event. In which case, the exam must be taken before the absence. In other cases, if a chapter test/exam is missed, it will be the dropped test/exam score. Any subsequent missed tests will be graded as a zero. If the final exam is missed, a zero will be recorded as the score for the exam. Attendance: As stated above, attendance counts 10% towards the final grade, and attendance will be taken in each class. You are allowed  (2) absences before your attendance grade begins to be lower.

**SOME GROUND RULES**:
Be respectful of the instructor and other students. Do not try to talk over me or somebody else.
Please turn off all cell phones. If your cell phone rings, please turn it off, or go to the hallway if it is an emergency. Keep your distance at least 6 feet away from people, always wear your mask.
**For exams**, remove all hoods, hats, headphones, and sunglasses (unless medically necessary). Also, take off all watches and put them in your bag.
No food is allowed in the classrooms;
No cell phone calculators are allowed. Sharing of calculators on exams is not allowed.
If you show up late for an exam, you forfeit the missed time. This means, for example, if you arrive in class thirty minutes after the exam has started, you do not get an additional thirty minutes for the exam. Your exam is due at the same time as the other students.
You must have a valid student ID. It will be required on exam days.
Unless you have a documented disability with the university, neither audio nor video recording of lectures is allowed.
Final grades are final (unless a calculation error was made).

Assignments

ASSIGNMENTS

There will be sets of Homework per chapter ,6 Exams/Tests and 1 Proctored Comprehensive Final Exam

 There are 6 Tests

- o **Test 1    02.2.2021 CST**
- o **Test 2   02.17.2021 CST**
- o **Test 3   03.03.2021 CST**
- o **Test 4   03.22.2021 CST**

- Test 5    04.6.2021 CST

- Test 6    04.26.2021 CST

- ***Comprehensive FINAL EXAM       Wednesday, May 5, 10:00a - 12noon***

**Seeking Additional Help**: The university offers tutoring. Currently, tutoring is being offered virtually. See the Educational Support Learning Center page for further information: https://www.memphis.edu/esp/centers.php

**Students who have a positive COVID-19** test should contact the Dean of Students at deanofstudents@memphis.edu. Students who need additional resources can visit the Dean of Students Office website at https://www.memphis.edu/deanofstudents/crisis/index.php

Students with accessibility issues or learning accommodation issues due to a disability should contact Disability Resources for Students (DRS) to submit an official request for course accommodations. Contact DRS at 901.678.2880 or at drs@memphis.edu (https://www.memphis.edu/drs/index.php) Further CoVid related information may be found at the following university site: https://www.memphis.edu/msci/news/covid.php

Plagiarism and Integrity

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly, through participation or assistance, are immediately responsible to the instructor of the class in addition to other possible disciplinary sanctions which may be imposed through the regular institutional disciplinary procedures. Expectations for academic integrity and student conduct are described in detail on the website of the Office of Student Judicial and Ethical Affairs http://saweb.memphis.edu/judicialaffairs. Please read in particular, the section about "Academic Dishonesty"

Library and Other Resources

Links to library materials (such as electronic journals, databases, interlibrary loans, digital reserves, dictionaries, encyclopedias, maps, and librarian support) and Internet resources needed by learners to complete online assignments and as background reading must be included in all courses. The myMemphis Portal system, eCampus Student tab provides access to University library and tutorial services. Other support services are available through the Educational Resources site at: http://www.memphis.edu/students.htm

**Email Requirements: From time to time, I will email the class about certain changes in the schedule, no class, etc. Therefore, you are required to check your UofM email account regularly. I can only respond to emails sent from your UofM email address. I will not respond to emails sent from an outside server. Also, do not email me from the eCourseware as I cannot respond to those emails in a reasonable amount of time. Check with UofM Tech Support for guidance.**

Students With Disabilities

Qualified students with disabilities will be provided reasonable and necessary academic accommodations if determined eligible by the appropriate disability services staff at their home institution. Prior to granting disability accommodations in this course, the instructor must receive written verification of a student's eligibility for specific accommodations from the disability services staff at the home institution. It is the student's responsibility to initiate contact with their home institution's disability services staff and to follow the established procedures for having the accommodation notice sent to the instructor.

Syllabus Changes

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes both by individual email communication and posting both notification and nature of change(s) on the course bulletin board.

Technical Support

Call the Helpdesk: 901-678-8888

Online Helpdesk: https://helpdesk.memphis.edu/

I look forward having a nice semester with you and have a wonderful and blessed semester in all your Spring 2021 classes !