Meridian Medical Arts Charter High School
NNU Concurrent Course Credit Syllabus
2024-2025

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Course Details

MMACHS Course : Pre-Calculus Year-long 2 high school credits
NNU Course: College Algebra MA1300 year-long 3 college credits

Course Description:
This course explores the concepts of Advanced Algebra in preparation for further, more advanced topics of Mathematics. It will expand on a basic knowledge of algebraic equations, inequalities, polynomial functions, exponential and logarithmic functions, systems of equations, matrices, determinants, and their graphs.

Course Prerequisites: Must have passed Algebra 1, Algebra 2 and Geometry with a "C" or better; passed Math 1, 2, and 3 with a C or better; or passed Math 1 and 2 with an A, earned 3 or 4 on ISAT, achieved a top ranking score on Pre-Calc Placement exam, and received the recommendation of Math 2 instructor.

Course Dates: August 14, 2024 to May 23, 2025

Course Times: Period 2B, approximately every other day on block schedule, see Daily Agenda for dates.

Course Location: Room 11, Meridian Medical Arts Charter High School.

Instructor: Margo Hollingsworth, hollingsworth.margo@westada.org, 855-4075

Daily Materials

1. **Text:** Advanced Mathematical Concepts, Glencoe McGraw-Hill, 2001. One book will be checked out to each student to keep at home. An online copy is available in Schoology.
2. **Graphing calculator**: We will be using the Texas Instruments TI84. If you do not have one, I will check one out to you for the year. It will be your responsibility to learn the functions of your calculator if you opt to use something other than the TI 83/84. Keep the protective cover on your graphing calculator when not in use and do not store it in your car. Finger/pen pokes and heat damage will result in fines for MMACHS-issued calculators. Students will need to provide their own AAA batteries.

3. **Consumable items:** paper, pencils, notebook. I also require a brightly colored felt tip, gel, or ballpoint pen for correcting homework. Red, green, or purple are colors that will stand out. Blue and black ink are not acceptable, nor are highlighters.

Course Objectives:

- Expanding knowledge of functions to include discontinuities, restrictions to domain and range, and piecewise definitions.
- Solving systems of equations and inequalities, including matrix operations.
- Solving polynomial, rational, radical, exponential, and logarithmic equations.
- Factoring higher-degree polynomials with real and complex roots.
- Right triangle trigonometry, graphs of trigonometric functions, the unit circle, and trigonometric identities.

Daily Agenda

I will be using a [Daily Agenda created on Common Curriculum](#), to inform students of the agenda and learning targets for class period. It will be linked in Schoology and is subject to change.   I will be using Schoology to communicate with the class as a whole and post due dates on the Schoology calendar.

Important Course dates:
- Deadline to register for NNU credit and allocate funding: March 7, 2025
- Deadline to withdraw from the NNU course without a "W": March 28, 2025
- Deadline to withdraw from the NNU course with a "W": May 16, 2025

Grading policies:

All assignments, quizzes, and assessments must show your individual work.
Late assignments will be accepted for half credit until two days before the assessment over that content; after that date, they will receive a zero.
Retakes of assessments are not allowed.
The letter grade will be the weighted average of homework (15%), assessments (65%), and final exam (20%).
The grading scale for the NNU concurrent credit will be:

- 90 - 100% A
- 80 - 89% B
- 70 - 79% C
- 60 - 69% D
- Below 60% F

The MMACHS grading scale to earn the high school credit needed for graduation will be based on the following scale:

- 90 - 100% A
- 80 - 89% B
- 70 - 79% C
- 0 - 69% WIP

Course policies:

Students who drop the college credit prior to March 28, 2025, will not have their Advanced Opportunity funds locked and will not see the course on their college transcript. Students can choose to drop the college credit at any time up to the week before final exams, but they will have to retake the course at their own expense before they can access their Advanced Opportunity funds for subsequent college courses. They will have a grade of "W" posted to their permanent college transcript.

Cheating in any form is not tolerated. This includes giving or receiving answers, copying work from an online source, presenting other students' work as your own, unauthorized collaboration, etc. All instances of cheating may be subject to disciplinary action that may adversely affect the student's grade and/or ability to stay enrolled in the NNU course.

Use of Artificial Intelligence (AI) tools to create content that is turned in for a grade is considered cheating. If you have questions, please ask before engaging in their use.

If an absence is excused, students will be allowed to make up the missed work. Each student will be given two (2) days for each day absent to make up work. It is the student's responsibility to determine what work was missed on the days of absence. It is the student's responsibility to schedule a time with the instructor to make up assessments. All work missed due to an unexcused absence will receive a zero. Excused absences will be determined by school policy.

Two late homework assignments are accepted each semester with no deduction in grade. They must be turned in before the unit assessment over that material to receive credit.

Students with excessive absences may be asked to drop the college credit if the instructor feels their learning is not up to college level.

Because we are learning skills to prepare students for higher mathematics, students will be asked to practice those skills with regular homework. Homework is due before the next class period begins unless otherwise announced. Whether an assignment is collected and recorded for a grade is done at the teacher's discretion.

All papers should have a proper heading that includes the student's first and last name, class and period, assignment section, and problems in the upper right corner. Problems should be numbered in order and clearly legible.

I retain all my assessments. Students are given an opportunity to review what they missed and ask questions. They will be given an opportunity to review them again before the final exam.

In this class, students are expected to act in a mature manner and to follow all MMACHS rules.