

Meridian Medical Arts Charter High School

NNU Concurrent Course Credit Syllabus

2023-2024

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Course Details

Course: College Algebra

NNU: MA1300

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.

High School: 1 semester credit

College Credit Hours: 3 semester credits

Course Prerequisites: Must have passed Algebra 1st year, Algebra 2nd year 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, top ranking score on Pre-Calc Placement exam and recommendation of Math 2 instructor.

Course Dates: August 16, 2023 to May 24, 2024

Course Times: Approximately every other day on block schedule, see [course calendar](#) 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, available online in Schoology.
2. Graphing calculator. We will be using 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 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 bright colored felt tip, gel, or ball point 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:

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

Course Calendar

I will be using a [College Algebra Dynamic Course Calendar](#), which is a shared Google document, to inform students of the agenda and learning targets for each week. This is a fluid document that is subject to change. It will be linked in Schoology so students can see it whenever they like.

Important Course dates:

Deadline to register for NNU credit and allocate funding	March 8, 2024
Deadline to withdraw from NNU course without a W.	March 31, 2024

Grading policies:

1. All assignments, quizzes, and tests must show your individual work.
2. Late assignments will be accepted for half credit until two days before the chapter test, after that date they will be 0.
3. Retakes of tests are not allowed.
4. The letter grade will be the weighted average of homework (15%), assessments (65%) and final exam (20%).
5. 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

6. Course policies:

Students who drop the college credit prior to **March 31, 2024** will not have their Advanced Opportunity funds locked and will not show 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.

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 makeup 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.

All papers should have a proper heading of the students 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.

Tests are recollected after students review what they missed. They will be handed out again before the final exam to review.

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