

MTH-115S-801FS

APPLIED MATHEMATICS SYLLABUS – ONLINE

EDISON STATE COMMUNITY COLLEGE

3 CREDIT HOURS

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Office: Room 212; MW 9-10am and T/TH 9-10:30am; online as needed
Required Materials: *OpenStax Prealgebra 2e*

- COLOR PAPERBACK BOOK ISBN-13 978-0-9986257-9-9
- OR B&W PAPERBACK BOOK ISBN-13 978-1-975076-43-6
- OR DIGITAL VERSION ISBN-13 978-1-951693-19-0 (the eBook is a free URL see Blackboard)

AND XYZ Homework code (purchase at eCampus bookstore or directly from XYZ)

****While some due dates may fall on holidays, assignments are still due. Please work ahead to ensure you complete all assignments on time.****

Tentative Schedule - I recommend you print this page and hang it on your refrigerator!

Week	Topic	Due Dates Before 11:59pm
1	2.1 Use the Language of Algebra 2.2 Evaluate, simplify, and translate expressions 2.3 Solving equations using the subtraction and addition properties of equality	8/31
2	2.4 Find multiples and factors 2.5 Prime factorization and the least common multiple 3 1 Introduction to Integers 3.2 Add Integers	9/7
3	3.3 Subtract Integers 3.4 Multiply and divide Integers 3.5 Solve equations using integers; the division property of equality	9/14
4	4.1 Visualize fractions 4.2 Multiply and divide fractions 4.3 Multiply and divide mixed numbers and complex fractions 4.4 Add and subtract fractions with common denominators	9/21
5	4.5 Add and subtract fractions with different denominators 4.6 Add and subtract mixed numbers 4.7 Solve equations with fractions Exam 1 (2.1-4.7)	9/28
6	5.1 Decimals 5.2 Decimal operations 5.3 Decimals and fractions 5.4 Solve equations with decimals	10/5
7	5.5 Averages and probability 5.6 Ratios and rate 5.7. Simplify and use square roots	10/12

To best fit the needs of this course, the instructor may alter this syllabus at any time.

Week	Topic	Due Dates Before 11:59pm
8	6.1 Understand percent 6.2 Solve general applications of percent 6.3 Solve sales tax, Commission and discount applications	10/19
9	6.4 Solve simple interest applications 6.5 Solve proportions and their applications 7.1 Rational and Irrational numbers 7.2 Commutative and associative properties	10/26
10	7.3 Distributive property 7.4 Properties of identity inverses and zero 7.5 Systems of measurement Exam 2 (5.1-7.5)	11/2
11	8.1 Solve equations using the subtraction and addition properties of equality 8.2 Solve equations using the division and multiplication properties of equality 8.3 Solve equations with variables and constants on both sides 8.4 Solve equations with fraction or decimal coefficients	11/9
12	9.1 Use a problem-solving strategy 9.2 Solve money applications 9.3 Use properties of angles, triangles and the Pythagorean theorem	11/16
13	9.4 Use properties of rectangles, triangles and trapezoids 9.5 Solve geometry applications, circles and Irregular figures 9.6 Solve geometry applications: volume and surface area 9.7 Solve a formula for a specific variable	11/23
14	11.1 Use the rectangular coordinate system 11.2 Graphing linear equations 11.3 Graphing with Intercepts 11.4 Understand slope of line	11/30
15	Exam 3 (8.1-11.4) Final Exam	12/7
16	Class is over!	

GRADE WEIGHT ALLOCATION

Homework	40%
4 Unit Exams	48%
Final Exam	12%
(In Blackboard, your average is called "Overall Grade")	

GRADING SCALE

90-100%	A
80-89%	B
70-79%	C
60-69%	D
0-60%	F

COURSE POLICIES

Communication

This is an online course, therefore, reading the Announcements section of Blackboard weekly is required. This is how you and I remain on the same page.

To best fit the needs of this course, the instructor may alter this syllabus at any time.

The easiest and best way to communicate with me is through email or Blackboard Messages. My email is listed on the first page of the syllabus, feel free to contact me at any time. I check my email frequently, however, please allow 24 hours as a maximum length of time for me to respond to you during the week and 48 hours on the weekend. All students **MUST** use their Edison email accounts when corresponding regarding this course. **Since this is an online course, it is imperative that you check your Edison email every day.** Your Edison State Outlook email is embedded within your free Microsoft Office 365 account. You can access this by going to Edison State's homepage, click on Current Students, and then Office 365. Put your email account on your phone! This is the main way I contact you.

Calculator (Required)

A scientific calculator of any brand is recommended for this course. A graphing calculator is optional for this course--preferably a TI-83/84 model. Calculators capable of symbolic manipulation (e.g., TI-89, TI-Nspire, TI Voyage 200, HP-48, HP-50) are prohibited. The instructor may restrict calculator use on any assignment or exam.

Classroom Courtesy

Conduct yourself in a manner that is conducive to learning. Be kind in your communication to others and to me. If you behave inappropriately, you will be removed from the class.

Expectations Outside of Class

Because this is a 3-credit hour, 16-week course, you can expect to spend 9-12 hours per week on videos, assignments, homework, exams, asking questions, and studying. The pace of this course moves very quickly and waiting until the last minute can be detrimental to your assignments and grades, due to questions you may have or technology issues. If this time requirement is not conducive to your lifestyle, I recommend you drop the course.

Attendance/Participation

Turning in your work on time is your participation grade. Your *one* lowest homework grade is automatically dropped from your final weighted average as they are entered into Blackboard. No exam grades will be dropped. There will be no make-up exams, as it is not fair for the rest of the class who were prepared to take the exams on time. You have access to all the due dates for all the assignments on the first day of class, so plan accordingly. Procrastination is not your friend when turning in assignments, so please work ahead.

Notes

You are expected to take clear and meaningful notes over every section covered in this class. They will assist you in completing other assignments required for this class.

Weekly Homework

No late homework will be accepted. To accommodate, remember that your three lowest homework grades are dropped. Online homework assignments will be accessed through our Blackboard course site, and you will be redirected to the XYZ HOMEWORK site. Completing your homework in a timely manner is essential to success in this course. You have access to all the due dates for all the assignments on the first day of class, so plan accordingly. You have access to all the XYZ HOMEWORK assignments after the due date for you to review and study from. Any homework submitted after the due date will earn a zero in the grade book. Use the resources provided for you in XYZ Homework to help you. You can also email me or utilize Edison State's free e-tutoring if you have questions. Please allow 24 hours during the week, and up to 48 hours on the weekend for me to respond. See the Academic Dishonesty section below for our institution's cheating policy. *All work must be completed by you and you only.* For technology issues with XYZ Homework, contact XYZ Homework Customer Support. Procrastination is not your friend when completing homework, so please work ahead.

Contacting XYZ HOMEWORK Customer Support

Please do not email me for an extension due to issues you are having with your computer. If/When you run into technological issues with homework or exams, you must contact XYZ HOMEWORK Support. Since this is an online class, I am not able to sit at your computer and help you with these types of issues. Waiting until the last minute for your assignments does not allow us time to work out these issues, so please work ahead on your assignments.

Exams – 3 Unit Exams

You will need to take your exams on a computer or laptop that has a WEBCAM and the capabilities to download RESPONDUS LOCKDOWN BROWSER. All exams can be found in our Blackboard course. You will be required to prepare for and take all exams on their scheduled dates and within the allotted time. You will be allowed one (1) attempt for each exam. Exams are timed and once you begin, you must finish the exam in the same sitting. There will be no make-up or re-do exams, as it is not fair to the rest of the class who prepared for the exam on time. This is why working ahead is crucial to your success in this course. All exams are graded fully on correctness, and some questions have multiple parts. See the Academic Dishonesty section below for our institution's cheating policy. *All work must be completed by you and you only.* Procrastination is not your friend when completing exams, so please work ahead and complete assignments early.

Final Exam

Your final exam will be cumulative. The final exam policies are the same as the unit exams, and the final exam can also be found in Blackboard. If you fail to complete the final exam prior to the due date, you will receive a failing grade for the course. Look at the syllabus schedule for the due date! At the end of the course, your final grade is your grade. I do not change grades for any reason, including but not limited to athletic eligibility, graduation requirements, etc. Put in hard work and diligence throughout the semester and do not ask me to change your final grade. DO ask me for help throughout the semester, that's my job!

Extra Credit

There will be no extra credit. Here are some suggestions for work you can put in throughout the semester: sign up for e-tutoring at the beginning of the semester on the Edison State Library website for free tutoring, ask when you have questions on the material, turn in your assignments completed, spend a minimum of 12-16 hours outside of class time working on the coursework (book assignments, asking questions, homework, and studying), do not skip any assignments, take detailed notes that will make sense to you when you study, make flash cards to help you remember tough topics/formulas/definitions and study them often, check your email and your Blackboard course every day. If you need more ideas, please ask. Procrastination is not your friend.

eTutoring and Tutoring Center

All students enrolled at Edison are eligible to receive learning assistance services. Learning assistance services includes in person and e-tutoring, and both are free to Edison students. Visit <https://www.edisonohio.edu/tutoring-center/> to sign up for e-tutoring.

Academic Dishonesty

Because engaging in dishonest practices undermines the trust that is essential in any social relationship, honesty is expected in all matters. Academic honesty requires that you never submit another's work as your own. You will not plagiarize from a printed source, an electronic source, or another student's work, nor will you allow someone else do your work. You will not copy from another student's examination or use unauthorized notes. You will not avoid the timely completion of work by misrepresenting the conditions that cause you to miss a deadline or an examination. You will not assist another student in any dishonest practice. If you engage in academic dishonesty, you will receive a failing grade for the course. Additionally, students are expected to be familiar with and to uphold all student rights and responsibilities as outlined in the student handbook. Read the student handbook for more details.

ARTIFICIAL INTELLIGENCE RESTRICTIVE POLICY

Students cannot use AI tools such as ChatGPT on assignments in this course. All assignments should be prepared entirely by the student. Developing strong competencies in this area will prepare you for a competitive workplace. Therefore, AI-generated submissions are prohibited and will be treated as academic misconduct.

TESTING YOUR FAITH ACT POLICY

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form, <https://www.edisonohio.edu/services-support/registration->

[records](#), located in “Forms” and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at <https://www.edisonohio.edu/services-support/student-resources>.