Walters State Community College Course Syllabus

Course Information

Course Number and Name: MATH 1030 Intermediate Algebra
Section ID: 81008.202380
Semester and Year: Fall 2023
Credit Hours: 3
Start Date: August 21, 2023
End Date: December 08, 2023
Course Format: TWY - Two-Way Video/Audio (ITV)
Catalog Course Description: This course includes analysis of polynomial, rational, exponential, logarithmic and radical functions as well as solving quadratic, rational, and radical equations. MATH 1030 is not a general education mathematics course. Prerequisite(s): ACT Math score of 19 or higher (or equivalent score as determined by the college placement and assessment procedure) or completion of mathematics learning support requirements. Co-requisite(s): MATH 0030 required for students with ACT math score below (or equivalent score as determined by the college placement and assessment procedure) or have not completed all learning support mathematics requirements. **F, S, SU**
Meeting Details: MW; 09:35AM - 11:00AM; MBSS 203
Course Drop Deadline: October 27, 2023

Instructor Information

Name: David Atkins
Office Location: MBSS 208
Office Hours: See attached in eLearn
Office Phone: 423-585-6934
Email: david.atkins@ws.edu
Supervisor Name: Chris Knight
Supervisor Phone: 423 585 6879

Required Textbook(s) and Materials

OpenStax Intermediate Algebra
Additional Information
TI-83 or TI-84 graphing calculator is required for course. Please check with your instructor if you own a different graphing calculator.

MyOpenMath(No Purchase Required)

Student Learning Outcomes/Objectives

CO 1	Real Number Sense and Operations
1.1	Apply the order of operations to evaluate expressions.
1.2	Perform operations with rational numbers. Determine the other equivalent forms of the number when given a fraction, decimal, or percent.
1.3	Identify and calculate with irrational numbers (no need to numerically simplify radical expressions).
1.4	Recognize and apply magnitude (absolute value) and ordering of real numbers.
1.5	Solve real-world application problems, such as applying percent and expressing scientific notation.

CO 2	Operations with Algebraic Expressions (including polynomials)
2.1	Identify and simplify like terms.
2.2	Evaluate algebraic expressions when given values for the variables.
2.3	Use the distributive law to write equivalent expressions.
2.4	Add, subtract and multiply polynomials.
2.5	Simplify an expression involving integer exponents using the rules for exponents (no negative exponents).
2.6	Solve real-world application problems.

CO 3	Analyze Graphs (emphasis on linear functions and graphs, including inequalities)
3.1	Create a table of values and a graph for a given relation (may not be linear).
3.2	Identify and interpret rate of change.
3.3	Use and interpret function notation.
3.4	Analyze the graph of a linear function identifying the x-intercepts, y-intercepts, and slope.

3.5	Graph a linear equation in two variables using ordered pairs, using the x-intercept and the y- intercept, and using the slope and the y-intercept.
3.6	Write a linear equation in two variables when given information about its graph.
3.7	Solve real-world application problems.

CO 4	Solve Equations (emphasis on linear equations/inequalities)
4.1	Solve a linear equation in one variable.
4.2	Solve a linear inequality in one variable and graph the solutions.
4.3	Solve formulas and literal equations for a specified variable.
4.4	Solve proportions that simplify to linear expressions.
4.5	Solve real-world application problems.

CO 5	Modeling and Critical Thinking (systems)
5.1	Solve a system of equations by applying graphical methods (may be non-linear).
5.2	Solve a system of linear equations applying algebraic methods (using substitution or elimination).
5.3	Graph compound linear inequalities.
5.4	Solve real-world application problems.

Instructional Approach and Methods

The class will meet on MW from 9:35 am - 11:00 am in MBSS 203.

You will be counted as having attended the class once you have completed the Introduction to MyOpenMath in eLearn.

The last date of attendance will be the last day that you worked in MyOpenMath or the final exam date.

Assessment, Evaluation and Testing Procedures

Cell Phones: Cellular phone use during classroom interaction is prohibited. If a cell phone is handled or used during an exam without the instructor's permission, the instructor may give a zero grade for the exam.

<u>Attendance</u>: Attendance is vital for successful completion of the course!

<u>Extra Credit</u>: No extra credit will be given in this college level course.

<u>Homework</u>: Homework assignments are to be done after a topic is covered. Homework is administered through MyOpenMath inside eLearn. Here you have an unlimited number of attempts on the homework.

<u>Exams</u>: There will be four (4) in-class exams and a comprehensive final exam.

If all four in-class exams are taken and one in-class exam score is lower than the final exam grade, then the final exam score will replace the lowest in-class exam score.

If one in-class exam is missed then the final exam score will replace the missed in-class exam score. If more than one in-class exam is missed, the first missed exam score will be replaced by the final exam score and scores of zero (0) will be given for the additional missed exams.

Exceptions for making up a missed exam will be given for documented school sponsored events or approved military duty. (See the procedure for documented school sponsored events or military duty.)

If a student arrives late to take an in-class exam and other students have already completed the exam and left the room, the student arriving late may not be allowed to take the exam. If not then the exam will be counted as a missed exam.

<u>Honors Students</u>: Honors students must successfully complete all honors assignments on time <u>and</u> must make a grade of A or B in the course to receive honors credit.

Procedure for Documented School Sponsored Events:

If an in-class exam is missed due to a documented school sponsored event, the student must contact Mr. Atkins **before** the scheduled absence and make arrangements to **take the exam early**. Failure to do so will result in the exam counting as a missed exam for calculating the average.

Procedures for Military Duty:

A student called to Active Duty Military Service should see the "WSCC Policies & Procedures" (04:02:00) for their options regarding course enrollment. In the case of a short-term Military Temporary Duty with the student able to return to class and complete the course, make-up work may be allowed. The student must provide appropriate documentation, including orders. If possible, the instructor and student will agree on the make-up procedures prior to departure.

Final Exam: The final exam will be given according to the schedule posted in the timetable of classes for this semester. For financial aid considerations, students should attend the final exam regardless of what the final grade in the class will be.

Grading Scale

A	90% - 100%
B	80% - 89.9%
C	70% - 79.9%
D	60% - 69.9%
F	Below 60%

Assignments

1. **Homework**: Homework will be administered and graded through a free Open Education Research online homework program called MyOpenMath. Each section will contain a set of homework questions pertaining to the content in that section. The homework questions can be attempted an unlimited number of times. This homework is guided to prepare you for the quizzes and exams. The homework average will count 10% of the overall semester grade.

2. **Quizzes**: Each unit will have three (3) online quizzes along with 2 - 3 take-home quizzes. Take-hope quizzes cannot be made up and will be due at the beginning of the class. The lowest two

(2) quizzes will be dropped at the end of the semester. The quiz average will count 20% of the overall semester grade.

3. **Exams**: There will be four (4) semester exams given during the semester. All exams must be proctored on campus unless an arrangement has been made prior to the test date. The exams may be given during normal class time or possibly during a three-day window. This will be discussed during the first class meeting. If a student is going to be absent for an exam, arrangements should be made prior to the exam day to take that test, otherwise, any make up exam will be taken on the last Thursday of the semester. The exam average will count 50% of the overall semester grade.

4. **Final Exam**: There will be a cumulative final exam for the course. The final exam counts 20% of the overall semester grade. The final exam will be administered on Monday, December 4 from 10:15 am - 12:15 pm.

Semester Grade = 0.10*(HW Avg) + 0.20*(QZ Avg) + .50*(Exam Avg) + .20*(final exam)

Academic Honesty

Faculty expect all students to refrain from acts of academic misconduct including but not limited to:

1. Plagiarism - refers to using another person's ideas or writing without giving proper credit to the original source. Indulging in this type of conduct will subject the student to disciplinary sanctions, which may be imposed through the regular institutional procedures of Walters State Community College as outlined in the Student Handbook. Plagiarism will result in a grade of "0" for the paper/exam/presentation. Student Conduct and Disciplinary Sanctions contained in the college Catalog/Student Handbook apply (see policy 04:18:02 Disciplinary Sanctions). Plagiarism includes, but is not limited to the following:

    a. Using cut/paste tool from original document with no references given.

    b. Copying another student's work and submitting it as one's own.

    c. Forging or otherwise altering signatures.

    d. Giving or falsifying academic documents or materials.

2. Cheating - construed as attempting to deceive or mislead which includes, but is not limited to the following:

    a. Utilizing old tests, projects, notes or written papers.

    b. Providing unauthorized information to a fellow student about exam content.

    c. Receiving unauthorized aid from any source with quizzes, examinations, or other assignments.

d. Seeking information in an unacceptable manner during/preceding an exam or other assigned work (cheat sheet, verbal exchange, looking at another person's paper or electronic device, utilizing headphones, using textbook when the test/quiz is not an open book test/quiz, using textbook test bank etc.).

e. Consulting with a classmate or others when taking a computerized test.

f. Disregarding other specific policies and procedures outlined for a particular class.

g. Utilizing unapproved technology/electronic equipment during testing (i.e.: mobile devices such as cell phones, smart devices, or tablets, etc.).

h. Using the same Internet Protocol network address (IP address) as another student for testing without approval from the course faculty.

3. The use of any generative artificial intelligence (AI) tool, such as OpenAI's ChatGPT, Google's Bard, or any other pre-trained language model (commonly referred to as "chatbot"), must be cited for any assignment where it has been used and may not be used unless specifically allowed by your instructor. Please see your instructor or the course policies within the syllabus if you have questions.

Student Resources

TUTORING SERVICES

Students in need of tutoring assistance are encouraged to contact the Office of Student Tutoring located as follows:

- Morristown Campus - Student Services Building Room L107 - (423) 585-6920

- Niswonger Campus - GRNV 226 - (423) 798-7982

- Sevierville Campus - MMH Room 210 - (865) 286-2787

- Claiborne Campus - Room 123A - (423) 851-4761

Specific tutoring assistance in mathematics and writing is available in-person and online as follows:

- Morristown Campus - English Learning Lab - HUM 120 - (423) 585-6970

  Walters State English Learning Lab (opens in new window) ws.edu/academics/humanities/writing-lab

- Morristown Campus - Mathematics Lab - MBSS 222 - (423) 585-6872

  Walters State Mathematics Learning Lab (opens in new window) ws.edu/academics/mathematics/learning-lab

TECHNOLOGY SUPPORT

Students who need assistance with computing and technology issues should contact the IET Helpdesk by phone at Morristown: (423) 318-2742; Niswonger: (423) 798-8186; or Sevierville: (865) 286-2789 or on-line access.

Walters State Helpdesk (opens in new window)
helpdesk.ws.edu

STUDENTS WITH DISABILITIES SUPPORT SERVICES

Students with disabilities must register with Student Support Services each semester in the Student Services Building, Room U134 (phone (423) 585-6892) if they need any special facilities, services, or consideration.

Walters State Student Support Services (opens in new window)
ws.edu/student-services/disability/

SUICIDE PREVENTION STATEMENT

Walters State is committed to and cares about all students. Support services are available for any person at Walters State who is experiencing feelings of being overwhelmed, hopelessness, depression, thinking about dying by suicide, or is otherwise in need of assistance. For immediate help, contact the National Suicide Prevention Lifeline by calling or texting 9-8-8 or the Trevor Lifeline at 1-866-488-7386. Veterans may also contact the Veterans Crisis Line at 1-800-273-8255 (press 1) or Text 838255.

Walters State has a relationship in place with the following community agencies to provide services (may include crisis referral services, prevention screenings, etc.):

- Cherokee Health Systems 423-586-5032
- Frontier Health 423-467-3600

College Policies

STUDENTS HANDBOOK AS OFFICIAL GOVERNING DOCUMENT

This class is governed by the policies and procedures stated in the current Walters State Community College Student Handbook. All students attending Walters State Community College, regardless of the time, location, or format of the class, must abide by the rules and regulations outlined in the current Walters State Catalog/Student Handbook and the current Walters State Timetable of Classes.

Walters State Catalog (opens in new window)
catalog.ws.edu/

[Walters State Timetable of Classes (opens in new window)](ws.edu/admissions/registration/)
ws.edu/admissions/registration/

PURPOSE, LIMITATIONS AND MODIFICATION OF SYLLABUS

This syllabus sets forth the expectations for the course content, work, and grading as well as expectations for student performance and conduct. The syllabus does not constitute a contract between the student and the instructor or the College. The information contained here is subject to change at any time. The instructor reserves the right to modify this syllabus at any time with written notification to the students. Though changes are possible, it is expected that the course will be conducted as described in this syllabus for the semester/year specified in the Course Information section of the syllabus. This syllabus is only valid for the semester/year specified and course requirements are not guaranteed for future semesters.

COURSE GROUND RULES

- Students must attend the first day of on-ground class or contact the instructor prior to the first class. Failure to do this may result in being dropped from the class. Excessive absences may substantially lower the course grade.

- Regular class attendance is a student's obligation for any course regardless of format. (See the Walters State Catalog/Student Handbook). If a student misses class, it is his or her responsibility to contact the instructor regarding missed assignments and/or activities and to be prepared for the next class assignment.

- Students enrolled in web courses must follow the course attendance policy defined for online attendance during the first week of class and throughout the term. Failure to do this may result in being dropped from the class during week one OR may result in the accrual of absences which may negatively impact the student's grade in the course.

- Students who have not paid fees on time and/or are not correctly registered for this class and whose names do not appear on official class rolls generated by the Walters State student information system (MyWS) will not be allowed to remain in class or receive credit for this course.

- Electronic devices must not disrupt the instructional process or college-sponsored academic activity. Use of electronic devices is prohibited unless use of the device is relevant to the activity and use is sanctioned by the faculty member in charge. Electronic devices that are not relevant to the activity or sanctioned by the faculty member in charge should be set so that they will not produce an audible sound during classroom instruction or other college-sponsored academic activity.

FINANCIAL AID

Students receiving any type of financial aid or scholarship should contact the Financial Aid Office before making any changes to their schedule. Schedule changes without prior approval may result in

loss of award for the current term and future terms.

All forms of student Financial Aid may be jeopardized or lost due to the lack of Satisfactory Academic Progress in one or multiple courses. Lack of Satisfactory Academic Progress may negatively impact a student's degree/certificate completion pace and further jeopardize Financial Aid eligibility.

CANCELLATION OF CLASSES AND ACADEMIC CONTINUITY

For information related to the cancellation of classes due to inclement weather or other events, please check the Senators Emergency Text system or the college's Web site at:

> [Walters State Homepage (opens in new window)](ws.edu/home/)
> ws.edu/home/

> [Walters State Facebook page (opens in new window)](https://www.facebook.com/WaltersState/)
> https://www.facebook.com/WaltersState/

> [Walters State Twitter page (opens in new window)](https://twitter.com/waltersstate)
> https://twitter.com/waltersstate

or call the college's student information line, 1-800-225-4770, option 1; the Sevier County Campus, (865) 774-5800, option 7; the Niswonger Campus (423) 798-7940, option 7; or the Claiborne County Campus, 423-636-6200, option 7. Also, please monitor local TV and radio stations for further announcements.

When an event or disaster interrupts the scheduled operations of the college and the ability to proceed with the academic course activities as planned, the college and your instructor may alter the course plan outlined in the syllabus. Should an event occur, students should refer to their course e-Learn pages and/or class materials previously delivered to receive guidance from their instructor. Students should continue to monitor the official college channels of communication listed in the above paragraph. If you would like to sign up for the Senators Emergency Text system, please go to the following Web site:

[Senator Emergency Text System (opens in new window)](ws.edu/set/)
ws.edu/set/

Dual Enrollment students attending on a high school campus should refer to the high school inclement weather cancellations.

LEARNING MANAGEMENT SYSTEM

Brightspace (commonly known as eLearn or D2L) is the college's Learning Management System (LMS).

Brightspace is committed to accessibility by "deliver[ing] a learning experience that meets the needs of all people, regardless of age or ability." [Brightspace Accessibility Standard (opens in new window)](#)

Brightspace is also committed to guarding student data and privacy. [Brightspace Privacy Policy (opens in new window)](#)