Walters State Community College Course Syllabus

Course Information

Course Number and Name: MATH 0030 Mathematics Learning Support
Section ID: 80958.202380
Semester and Year: Fall 2023
Credit Hours: 3
Start Date: August 21, 2023
End Date: December 08, 2023
Course Format: CON - Conventional Methodology
Catalog Course Description: A Learning Support Mathematics course including the topics of Real number sense, algebraic operations, analysis of linear equations and inequalities, systems of equations and systems of inequalities. Placement in the course is based on the college assessment and placement procedures. Corequisite: If placed in Math 0030, then students required to take MATH 1030, MATH 1530, or MATH 1630 must be jointly enrolled in Math 0030. **F, S, SU** 3 credit
Meeting Details: MW; 09:35AM - 11:00AM; GRNV 244A
Course Drop Deadline: October 27, 2023

Instructor Information

Name: Robert Balding
Role: Instructor
Office Location: GRNV 244A
Office Hours: After class and by appointment.
Office Phone: NA
Email: Robert.Balding@ws.edu
Supervisor Name: Chris Knight, Dean of Mathematics David Atkins, Assistant Dean of Mathematics
Supervisor Phone: 423-585-6864
Secretary Name: Tammy Holt, Administrative Assistant
Secretary Phone: 423-585-6864

Required Textbook(s) and Materials

No Required Text

Supplemental or Optional Materials

A TI-83 or TI-84 graphing calculator is required for this course. Discuss with the instructor if you own a different graphing calculator. You may check out a calculator for the semester through the library if needed.

MyOpenMath Software, a free application, is required. You will be automatically signed up for this application through e-learn on the first class meeting.

Optional Text: Developmental Mathematics, Third Edition by Elayn Martin-Gay

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

1. Regular attendance is mandatory for your success in this course. It is the student's responsibility to contact the instructor BEFORE each planned or school-sponsored absence. You should also contact the instructor as soon as possible following an unplanned absence.

2. Class will meet in-person on the Greeneville Niswonger Campus, room 244A. If in-person classes are cancelled due to inclement weather, please check e-learn e-mail for messages about class. If you are unable to attend a class because of illness, quarantine, etc., contact instructor by E mail .

3. Homework is to be done online through the "My open math" application. Please pay attention to deadlines.

4. Some quizzes can be done online, while others may be paper and pencil in class quizzes.

5. Exams will be done in person using paper and pencil.

Grading Scale

A	90 – 100%
B	80 – 89%
C	70 – 79%
F	0 – 69%

NOTE: THERE ARE NO Ds FOR THIS CLASS!!!! YOU MUST MAKE A 70% OR ABOVE TO PASS THIS CLASS.

Assignments

Homework will be administered through the software package MyOpenMath. Homework assignments will have an unlimited number of attempts up to the due date. Homework assignments not started by the due date will receive a grade of zero.

Assessment, Evaluation and Testing Procedures

Instructional and Evaluation Methods:

1. MyOpenMath homework assignments – 10%
2. Quizzes - 10%
3. Unit Exams – 60%   (3 exams, 20% each exam)
4. Final Exam – 20%
5. To calculate final grade: 0.10(Homework average) + 0.10(Quiz Average) + 0.60(Unit Exams average) + 0.20(Final Exam) = Final Average

Testing Procedures:

1. There will be three (3) Unit Exams. All students are required to come to campus to take exams.

2. The final exam is a comprehensive exam and will be given during finals week. The scheduled exam date and time for this class is Monday, December 4, 2023 from 10:15am - 12:15pm. The exam will be in the usual class room.

3. If an exam is missed, a make-up exam must be completed within a week of the exam date. The student must contact the instructor immediately to schedule the make-up. If the make-up is not completed as arranged, a zero will be assigned.

4. Some quizzes will be given using MyOpenMath. Quizzes must be completed by the due date/time listed on the quiz. Failure to complete the quiz by the posted date/time will result in a zero for that quiz.

Course and Class Policies/Procedures

Class attendance and homework are both critical to your understanding of the course material and your ability to apply this material. Study groups are highly recommended to help with the understanding of the material. Find a study partner in the class and check in regularly with that person. Compare notes about the homework problems before class begins.

You should set aside time to study, go over class notes and do the homework.

Check for NEWS items and email though eLearn on a regular basis (at least once a week).

Seek out help whenever you find yourself getting behind or have trouble with concepts developed in class. Additional help is available through Math tutoring which is a free service for WSCC students.

Email is a good way to communicate with me throughout the term. Please be sure to send email through the eLearn email.

Additional Course Requirements/Details/Information

Additional Course Details

Topics	Martin-Gaye	Open Stax
Percents, Decimals, and Fractions	1.1	1.5/1.7/3.2
Square Roots & Pythagorean Theorem	1.4	9.1/3.4
Operations with Real Numbers	1.6/1.7	1.8/1.9

Orders of Operations	1.5	1.2
Unit Conversion	1.9	1.10
Exponents and Scientific Notation	1.8/2.1	6.7
Distributive Property and Like Terms	2.2	1.9
Rules of Exponents	2.3	6.2
Polynomials and Adding and Subtracting Polynomials	2.5	6.1
Multiplying Polynomials	2.6	6.3
Introduction to Graphing	3.2	4.1/4.2
Solving Linear Equations	4.1	2.1/2.2
Graphing with Intercepts	3.3	4.3
Introduction to Functions	3.4	3.5
Slope	3.5	4.4
Equations of Lines	3.6	4.6
Ratio and Proportion	4.2	8.7
Solving Linear Equations	4.3/4.4	2.3/2.4/2.5
Solve for a variable	4.5	2.6
Solve linear inequalities	4.6/5.1	2.7
Solving Systems Graphically	5.3	5.1
Substitution Method	5.4	5.2
Elimination Method	5.4	5.3/5.4

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)
  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)
  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)
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/)
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/)
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)](#)