



## Walters State Community College Course Syllabus

### Course Information

**Course Number and Name:** MATH 0030 Mathematics Learning Support

**Section ID:** 81146.202380

**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:** 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; WSCE 111

**Course Drop Deadline:** October 27, 2023

### Instructor Information

**Name:** Elena Owen

**Office Location:** WSCE 106

**Office Hours:** As posted

**Office Phone:** 423-851-4772

**Email:** Elena.Owen@ws.edu

**Supervisor Name:** Chris Knight

**Supervisor Phone:** 423-585-6879

**Secretary Name:** Tammy Holt

**Secretary Phone:** 423-585-6864

### Math Tutoring Options

Elena Owen is available to meet with students and answer questions. To schedule an appointment with your instructor, go to the office hours that are posted.

Math Lab: Tutoring is available with Mrs. Dixon who is located in the Math Lab, Room MBSS 222 where both in person or virtual (through TEAMS) tutoring options are available. Appointments are recommended and are made through Bookings at <https://outlook.office365.com/owa/calendar/WaltersStateMathLab@ws.edu/bookings/> . Contact Mrs. Dixon if you need help making appointments or for additional information at: phone number 423-585-6872 or email [Beth.Dixon@ws.edu](mailto:Beth.Dixon@ws.edu) .

TUTORING BY CAMPUS: (NOTE: Virtual computer tutoring can be done on any campus.)

1.) Morristown Campus Tutoring: In-person or online tutoring is also available through the Office of Student Tutoring located in the Student Services Building Room L107, phone number 423-585-6920. <https://outlook.office365.com/owa/calendar/WaltersStateCommunityCollege9@ws.edu/bookings/>

2.) Morristown Math Lab (Mrs. Dixon):  
<https://outlook.office365.com/owa/calendar/WaltersStateMathLab@ws.edu/bookings/>

3.) Sevierville Campus Tutoring:  
<https://outlook.office365.com/owa/calendar/SeviervilleTutoringServices@ws.edu/bookings/>

4.) Niswonger Campus (Greeneville) Tutoring:  
<https://outlook.office365.com/owa/calendar/TutoringServicesNiswongerCampusGreeneville@ws.edu/bookings/>

5.) Claiborne Campus  
<https://outlook.office365.com/owa/calendar/ClaiborneTutoringServices@ws.edu/bookings/>

6.) NetTutor is an online tutoring service that is available 24 hours a day in many subjects. It is a free service offered to WSCC students. To access NetTutor, go the course eLearn Home page and click on Resources link.

## Required Textbook(s) and Materials

**OPEN Stax (no purchase required)**

### **Additional Information**

TI 83 or TI 84 graphing calculator **required** for this course. Discuss with your instructor if you have different graphing calculator.

**Required:** MyOpenMath Software. This software is free. Directions on how to access it will be covered on the first class day and is also found in the eLEARN site for the course.

Apps for this course and the platform(s):

- MyMathLab Software (optional and if need it),
- Microsoft TEAMS (required).

## Supplemental or Optional Materials

Optional Online Textbook: To access the free OpenStax textbook go to <https://openstax.org/> , click on "Subjects" and select "Math" on the dropdown menu. Then select "Elementary Algebra, 2e" and click on the "Table of contents".

Optional Textbook: Developmental Mathematics, Third Edition by Elayn Martin-Gay. This is a Pearson publishing company product and can be purchased as a MyLab (with the ebook included) or as a hardback.

## Student Learning Outcomes/Objectives

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

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

<b>CO 3</b>	<b>Analyze Graphs</b> (emphasis on linear functions and graphs, including inequalities)
<b>3.1</b>	Create a table of values and a graph for a given relation (may not be linear).
<b>3.2</b>	Identify and interpret rate of change.
<b>3.3</b>	Use and interpret function notation.
<b>3.4</b>	Analyze the graph of a linear function identifying the x-intercepts, y-intercepts, and slope.
<b>3.5</b>	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.
<b>3.6</b>	Write a linear equation in two variables when given information about its graph.
<b>3.7</b>	Solve real-world application problems.

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

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

## Instructional Approach and Methods

Welcome to Mathematics Learning Support (MATH 0030).

Your professor for this course is Elena Owen.

This course will be offered in a Video Streaming format (TWY): WSCC Video streaming courses (TWY) follow traditional class meeting schedules, while providing students the opportunity to attend class sessions at one of Walters State's four campuses (Claiborne, Niswonger, Morristown, or Sevierville). Video streaming courses are good choices for students who may be unable to travel to multiple campuses. Instructors deliver instruction from one of the four campuses to students at one or more of the other campuses. Students are able to interact in real-time with the instructor and students at the other sites via video streaming technology. Lectures for this semester will have students participating in person or from their computer through TEAMS during the regular class time.

Attendance is required.

It is important to join class in person or via TEAMS prior to the first class meeting.

Details about TEAMS including how to join and the JOIN CODE will be given in a News Item on our course eLearn Homepage. For an introduction to TEAMS watch this video:

[https://youtu.be/Lpzq\\_glaysc](https://youtu.be/Lpzq_glaysc) . For how to join a live class meeting in TEAMS watch this video: <https://youtu.be/Kl4CuWfQvPE>.

Minimum Technology Requirements: It is the student's responsibility to secure an up-to-date mobile device and WiFi access that operates well. Students will need a computer with a webcam (camera), speaker, and microphone.

Securing your own device is encouraged; however, if you are unable to secure a device, Walters State has a limited number of devices available to loan to students. WS students may check out devices from the WS Library; see this link for additional information: <https://ws.libcal.com/reserve/equipment> .

Online or in person lectures and other assignments:

- You are expected to follow the classes online or in person.
- Follow the PowerPoint and worksheets and other assignments.

In addition to the suggested reading material, all the other information will be available via online.

**Reading:** The textbook provides a good general introduction. Most of the topics that are approached in the class are covered by the book. Thus, it will serve to support online/in person classes and to provide material for discussion if need it. In addition, readings in the book will support the material that you will need.

# Assessment, Evaluation and Testing Procedures

## Homework (10%)

Students will complete homework assignments **through MyOpenMath**. Each assignment will have an unlimited number of attempts. The deadline to complete the assignments is midnight on the day before each scheduled exam.

## Quizzes (10%)

There will **be individual** quizzes. Students must complete each quiz prior to OR on the scheduled quiz date. Otherwise, a missed quiz will receive a score of zero. No make-up quizzes will be given after the scheduled quiz date. If the quiz will be missed due to a documented school sponsored event, the student must contact instructor before the scheduled absence and make arrangements for a make-up day. **All quizzes are proctored in person or online via TEAMS.**

## Exams (60%)

There will be three **exams** over the course material. Students must complete each exam prior to OR on the scheduled test date. Otherwise, a missed exam will receive a score of zero. No make-up exams will be given after the scheduled test date. If the exam will be missed due to a documented school sponsored event, the student must contact instructor before the scheduled absence and make arrangements for a make-up exam. **All exams are proctored in person or online via TEAMS.**

## Final Exam (20%)

There will be a comprehensive final exam. **The Final Exam is proctored in person or online via TEAMS. All students must take the Final Exam in order to pass the course!**

For financial aid consideration all students should attend the final exam to complete the course. Check with financial aid before you stop attending this course.

## Grading Scale

A	90 – 100%
B	80 – 89%
C	70 – 79%
D	none
F	0 – 69%

## Assignments

### Grade Composition:

Homework Average 10%

Quizzes Total 10%

Chapter Tests Average 60%

Final Exam 20%

## Class Participation

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.

## Course and Class Policies/Procedures

### Exam Policy:

1. **ALL** exams are to be taken at times scheduled by the instructor.
2. Make-up exams will be given totally at the discretion of the instructor for excused absences only (excused absences include illness, death in family, and military or jury duty).
3. Make-up exams must be taken before the next scheduled exam

4. **Final Exam** exam is scheduled in the course by the instructor must be taken in order for the student to receive a **passing grade**.

### **Course Requirements:**

Student responsibilities include:

- completion of required hours of work each week.
- keeping notes of the lectures/activities.
- completion of various assignments.
- attending lectures.
- completion of evaluations.

## Online/Web-Enhanced Course Supplementary Information

Virtual Office Hours	Refer to eLearn
Library Information	Library Phone: 423-585-6903 <a href="#">WSCC Library Website (opens in new window)</a>
Technical Support	Helpdesk Phone: 423-318-2742 <a href="#">WSCC Helpdesk Website (opens in new window)</a> <a href="http://helpdesk.ws.edu/">http://helpdesk.ws.edu/</a>
Web Addresses/Resources	Refer to eLearn
Guidelines for Communication: Email, Discussion Posts, Chat	Refer to eLearn

## Additional Course Requirements/Details/Information

Satisfactory performance in math courses generally asks for three hours of study outside of class for each hour in class. This estimate applies to an "average" student expecting an "adequate" (C) grade. Students aiming higher or those with academic problems should expect to spend more effort than the minimum.



Students must be familiar and comfortable with basic computer and Internet skills. They must be familiar with or willing to learn a variety of online tools.

### **Software Recommendation:**

Microsoft Word is the recommended word processing software for this course.

## **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 \(opens in new window\).](https://www.waltersstate.edu/academics/humanities/writing-lab)  
[ws.edu/academics/humanities/writing-lab](https://www.waltersstate.edu/academics/humanities/writing-lab)

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

[Walters State Mathematics Learning Lab \(opens in new window\).](https://www.waltersstate.edu/academics/mathematics/learning-lab)  
[ws.edu/academics/mathematics/learning-lab](https://www.waltersstate.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 \(opens in new window\).](https://www.waltersstate.edu/helpdesk)  
[helpdesk.ws.edu](https://www.waltersstate.edu/helpdesk)

### 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 \(opens in new window\).](https://www.waltersstate.edu/student-services/disability/)  
[ws.edu/student-services/disability/](https://www.waltersstate.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 \(opens in new window\).](https://www.waltersstate.edu/catalog/)  
[catalog.ws.edu/](https://www.waltersstate.edu/catalog/)

[Walters State Timetable of Classes \(opens in new window\).](https://www.waltersstate.edu/admissions/registration/)  
[ws.edu/admissions/registration/](https://www.waltersstate.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 \(opens in new window\)](http://www.waltersstate.edu/home/)  
[ws.edu/home/](http://www.waltersstate.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 \(opens in new window\)](http://www.waltersstate.edu/set/)  
[ws.edu/set/](http://www.waltersstate.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 \(opens in new window\)](#)

## **Additional Course Details**

Chapter 1: The Whole Numbers (1.1,)

Chapter 1: Adding and Subtracting Fractions (1.4.)

Chapters 1,3: Ratio, Proportion and Percent

Chapter 1: Real Numbers and Introduction to Algebra (1.8.-1.9.)

Chapters 2, 3: Equations, Inequalities, and Problem Solving

Chapter 4: Graphing Equations and Inequalities

Chapter 5: Systems of Equations

Chapters 6,8: Exponents and Polynomials

Chapter 9: Roots and Radicals

Chapter 10: Quadratic Equations and Non Linear Graphs

Appendix A.2 Sets and Compound Inequalities