



Walters State Community College Course Syllabus

Course Information

Course Number and Name: MATH 1410 Number Concepts for Teachers

Section ID: 81037.202380

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: Students will use problem solving and logic to develop number sense and a conceptual understanding of number systems, number operations, number theory, and functions. These concepts will be explored using manipulative materials, collaborative activities, and technology. 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. **F**

Meeting Details: TR; 08:00AM - 09:25AM; MBSS 225

Course Drop Deadline: October 27, 2023

Instructor Information

Name: Jill Romines

Office Location: MBSS 232

Office Hours: Posted on E-learn course home page. Office hours are times the professor is available in her office or on-line. It is recommended that students make an appointment.

Office Phone: 423-585-2635

Email: Jill.Romines@ws.edu

Supervisor Name: Chris Knight, Dean of Mathematics

Supervisor Phone: (423)585-6879

Secretary Name: Tammy Holt

Secretary Phone: (423)585-6864

Required Textbook(s) and Materials

No textbook is required

Additional Information

A TI-83 or 84 graphing calculator is recommended.

Supplemental or Optional Materials

Optional Textbook: Mathematics For Elementary Teachers A Conceptual Approach, 10th Edition by Albert B. Bennett, Jr. and L.Ted Nelson

Students will need a free MyOpenMath account for accessing homework.

Students may need to print handouts posted in eLearn.

Student Learning Outcomes/Objectives

- 1. Identify and use various problem solving strategies.
- 2. Demonstrate an understanding of different numeration systems.
- 3. Use manipulatives, diagrams, and verbal explanations to demonstrate an understanding of number systems and operations.
- 4. Demonstrate an understanding of the concepts of variables and mathematical functions using verbal, numerical, graphical, and algebraic representations.
- 5. Perform mathematical computations using estimation skills, algorithmic procedures, and mental strategies.
- 6. Demonstrate properties of and the relationships between whole, rational, integer, and real numbers.
- 7. Describe, extend, and generalize patterns of shapes and numbers.

Instructional Approach and Methods

Regular attendance is mandatory for your success in this course. Having a hard copy or electronic access to the handouts posted in e-learn will greatly help students stay involved in the lessons.

This course will require that you spend about six hours a week outside of class to review material and work on homework. Students will receive homework assignments each class meeting. Students are expected to do the assignments in preparation for discussion during the next class meeting.

The best way of emailing me is through Elearn, <https://elearn.ws.edu>, which I will use to communicate with you at times. You may also use jill.romines@ws.edu.

Assessment, Evaluation and Testing Procedures

1. Homework: Homework will be completed at the website [MyOpenMath.com](https://www.myopenmath.com). Homework assignments will have an unlimited number of attempts up to the deadline assigned. If a homework assignment is not completed by the deadline, it will receive a grade of 0. The homework grade is worth 100 points and will be based on the percent of problems completed correctly at the end of the semester.
2. Quizzes: Twelve quizzes will be assigned during the semester, each valued at 10 points. The lowest 2 quiz scores will be dropped at the end of the term. Some quizzes will be given during class and others are completed outside of class. A student must be present to take an in-class quiz. Take-home quizzes must be submitted on time for full credit, but will be accepted up to 1 class late with a 2 point penalty.
3. Exams: Four unit exams and a final exam will be given. The final exam is optional and will only be used to replace a missed exam or low exam score. In the event of an absence for an exam, the final exam grade will count for that missed exam. If an exam will be missed due to a **documented school sponsored event**, the student must contact Mrs. Romines **before** the scheduled absence and make arrangements to take the exam early. Failure to do so will result in a zero on the exam and the final exam grade will count for the missed exam. Any further missed exams will receive scores of zero.

Grading Scale

A	540 - 600 points
B	480 - 539 points
C	420 - 479 points

D	360 - 419 points
F	0 - 359 points

Assignments

4 Exams	100 points each
10 Best Quizzes	10 points each
Homework	100 points total
Optional Final Exam	100 points

Online/Web-Enhanced Course Supplementary Information

[MyOpenMath](#) is the website at which all exams and homework will be completed.

Additional Course Requirements/Details/Information

Course Content:

Unit 1:

Lesson 1 – Problem Solving

Lesson 2 – Patterns and Sequences

Lesson 3 – Solving Equations

Lesson 4 – Sets, Unions, and Intersections

Lesson 5 – Functions and Graphing

Unit 2:

Lesson 6 – Number Systems

Lesson 7 – Addition and Subtraction of Whole Numbers

Lesson 8 – Multiplication of Whole Numbers

Lesson 9 – Division of Whole Numbers

Unit 3:

Lesson 10 – Factors and Multiples

Lesson 11 – GCF and LCM

Lesson 12 – Integers

Lesson 13 – Introduction to Fractions

Unit 4:

Lesson 14 – Fraction Addition and Subtraction

Lesson 15 – Fraction Multiplication

Lesson 16 – Fraction Division

Lesson 17 – Introduction to Decimals

Lesson 18 – Operations on Decimals

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](https://www.walters.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

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 \(opens in new window\)](#)
catalog.ws.edu/

[Walters State Timetable of Classes \(opens in new window\)](#)
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/

[Walters State Facebook page \(opens in new window\)](#)

<https://www.facebook.com/WaltersState/>

[Walters State Twitter page \(opens in new window\)](#)

<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/

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 \(opens in new window\)](#)