



Walters State Community College Course Syllabus

Course Information

Course Number and Name: MATH 1630 Finite Mathematics

Section ID: 50340.202350

Semester and Year: Summer 2023

Credit Hours: 3

Start Date: June 01, 2023

End Date: August 03, 2023

Course Format: WEB - Web Classes

Catalog Course Description: A course in algebraic, logarithmic, and exponential functions. Other topics include systems of linear equations and inequalities, matrices, linear programming, and mathematics of finance. 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**

General Education Course Designation: General Education Course

Meeting Details: TBD

Course Drop Deadline: July 12, 2023

Instructor Information

Name: James Chandler

Office Location: MBSS 218

Office Hours: Virtual: Monday - Thursday morning, 9 am to 11 am; Monday and Wednesday evenings: 8 pm to 10 pm

Office Phone: 423-585-6935

Email: Dustin.Chandler@ws.edu

Supervisor Name: John Knight

Supervisor Phone: (423) 585-6879

Secretary Name: Tammy Holt

Secretary Phone: (423) 585-6864

Required Textbook(s) and Materials

Mathematical Applications for the Management, Life, and Social Sciences

ISBN: 9781337630559

Authors: Harshbarger, Ronald J.

Publisher: Cengage Learning

Edition: 12th

Additional Information

A digital e-book comes with WebAssign access for this course. A WebAssign student account and Access Code are required. The access code is available from the WSCC bookstore or can be purchased directly from the publisher through www.webassign.net. This access code is different from the course code (listed below) that links your student account to the course in WebAssign.

WebAssign Courseware

Additional Information

Access to WebAssign will be embedded in eLEARN. Students will access WebAssign assignments and resources by logging in to the class eLEARN page and going to Course Content.

Supplemental or Optional Materials

- Students will need a calculator with matrix capabilities. The most commonly used calculator for this class is a TI 83 or 84. Students with other calculators will need to see me on their own to learn how to use their calculator matrix functions. The campus library in Morristown has TI calculators for students to check out for the semester.
- WebAssign student access code. Homework, quizzes, unit tests, and the final exam will be assigned through WebAssign. Students will need to create their WebAssign account during the first week of class. A free trial period is available.

Student Learning Outcomes/Objectives

- Apply the concept of function and mathematical modeling in business, economics, and management applications.
- Graph and use linear and polynomial functions in applications.

- Graph and use exponential and logarithmic functions in applications.
- Calculate interest, present and future value, annuities, and amortization tables.
- Solve and use systems of linear equations and inequalities in two variables in applications.
- Use Gauss-Jordan elimination to solve linear systems of equations with two or more variables in application.
- Understand the concept of matrices and their usage and perform operations on matrices.
- Formulate and solve linear programming problems graphically and by using the Simplex Method.
- Use calculators and computers in learning and doing mathematics.

Instructional Approach and Methods

This section of this course is an asynchronous WEB class. That means that there are no set meeting times for instruction or assessment. This class is mostly self-paced, but there are due dates each week to help keep you on track to complete the class in May. You are welcome to work ahead, however. Your progress in this class should be as follows:

1. With each new section, download the PowerPoint presentation from eLEARN. The PPT presentations do not format correctly if you view them in eLEARN.
2. Complete the lecture guide with the help of the PowerPoint presentations and video content.
3. Complete the WebAssign homework assignment (found in eLEARN).
4. Take the first attempt for the quiz.
 1. If you are happy with your grade on the first attempt, you are not required to take the second attempt.
 2. You are strongly discouraged from starting the second attempt until after you have gone back over your notes and reviewed the kinds of questions that you were asked on the first attempt.
5. Prepare for the section tests by reviewing your notes and the homework assignments that will be covered in the section tests. You can always go back into the homework and review or work similar questions until you understand how to answer the question correctly the first time every time.

6. Schedule your appointment with HonorLock so that you can take your proctored unit tests and final exam.

Assessment, Evaluation and Testing Procedures

1. Homework and quizzes are assigned through WebAssign and due each week. Students are welcome and encouraged to work ahead on homework and quizzes. Homework and quizzes are each worth 10% of your semester grade.
2. Three section tests will be given during the semester. The first section tests covers sections 1.1 to 2.1. The second section test covers sections 2.2 through 3.3. The third section test covers sections 4.1 through 6.2. Sections 6.3 to 6.5 are not covered on a section test, but there is a quiz on them and there they will be a part of the final exam. Each section test is worth 20% of your final grade.
3. The final exam will be given during final exam week. The final exam will be comprehensive, covering everything from 1.1 to 6.5. The final exam is worth 20% of your final grade.
4. Since this class is an asynchronous web class, the unit tests and final exam will be proctored by HonorLock. To begin the tests, you will need to go through the HonorLock link which can be found in eLEARN under Course Information > Content. Passwords are not provided to you for the exams, they will be entered for you once you begin your assessment.
5. If you are unable to complete any of the tests through HonorLock due to technical issues, you may also schedule an appointment to take the exam in-person with the campus math tutor in Morristown, Sevierville, or Greeneville. If you choose to take the exam in-person, it is your responsibility to:
 1. Schedule an appointment with the tutor by Microsoft Bookings (Morristown) or email (Greeneville, Sevierville).
 2. Notify me via email of the time and location of the test so that I can set up the test and give the tutor a custom password for your test.
6. The due date for the first test will be June 19th. The due date for the second test will be July 11th. The due date for the third test will be August 1st. The due date for the final exam will be August 3rd.

Grading Scale

| | |
|---|-----------------|
| A | Grade ≥ 90 |
| | |

| | |
|---|-----------------------------|
| B | $80 \leq \text{Grade} < 90$ |
| C | $70 \leq \text{Grade} < 80$ |
| D | $60 \leq \text{Grade} < 70$ |
| F | $\text{Grade} < 60$ |

Student grades will be kept in the gradebook in eLEARN and updated every week on Friday afternoon. At the end of the semester, one missing or low test grade will be replaced with the final exam grade if doing so would improve the overall semester grade.

Assignments

Homework, quizzes, unit tests, and the final exam will be assigned through WebAssign.

Class Participation

Students will need to complete the WebAssign orientation titled "Getting Started with WebAssign" and complete the HonorLock practice test before Wednesday, June 7th, to be counted as attending the class. Attendance during the semester will be tracked by the timely completion of assignments and assessments (tests and quizzes).

Course and Class Policies/Procedures

Due dates for assignments will be kept in the calendar in eLEARN. Please be aware that, due to the compressed summer calendar (9 weeks instead of 15) and the shorter Walters State work week (Monday - Thursday), you will have something due every Tuesday and Thursday. The due dates are necessary to help you keep caught-up on your work this summer. Please be aware that you are welcome and encouraged to work ahead.

Online/Web-Enhanced Course Supplementary Information

Virtual office hours are available for students in the mornings and evenings by appointment.

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.

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://catalog.ws.edu/)
catalog.ws.edu/

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

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