



Walters State Community College Course Syllabus

Course Information

Course Number and Name: MATH 1710 Precalculus Algebra

Section ID: 50341.202350

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 pre-calculus course in the theory and application of polynomial, logarithmic, exponential, rational, power and inverse functions. This course is designed for people majoring in technical fields and to prepare students to take MATH 1910 - Calculus I. Students should consult with their advisor to decide among MATH 1530, MATH 1630 and MATH 1710. Prerequisite(s): ACT Math score of 22 or higher (or equivalent score as determined by the college placement and assessment procedure) or completion of mathematics learning support requirements. Co-rerequisite(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 and MATH 1030; or permission of Dean of Mathematics. **F, S, Su**

General Education Course Designation: General Education Course

Meeting Details: TBD

Course Drop Deadline: July 12, 2023

Instructor Information

Name: Miriam Nelson

Role: Associate Instructor of Mathematics

Office Location: Online using the Teams program

Office Hours: MW: 10:00 - 12:00

Office Phone: 865-443-5197

Email: miriam.nelson@ws.edu

Supervisor Name: Chris Knight, Dean of Mathematics Division

Supervisor Phone: 423-585-6879

Secretary Name: Tammy Holt, Executive Aide

Secretary Phone: 423-585-6864

Required Textbook(s) and Materials

Textbook Not Required, included in MyMathLab online program

Additional Information

If hardcover desired:

Precalculus with Modeling & Visualization

Authors: Rockswold

Publisher: Pearson

Edition: 6th

1. The online program **MyMathLab** for this course is required for all graded course items, including homework, quizzes, and tests. The link and instructions for purchasing it are posted in "News" on the home page for eLEARN.
2. TI-83 plus or TI-84 graphing calculator is required for this course – discuss with instructor if you own a different graphing calculator.
3. All students must have a computer with a camera and microphone for monitored testing.

Student Learning Outcomes/Objectives

- 1. Demonstrate an understanding of functions by several means (verbally, numerically, graphically and symbolically).
- 2. Use linear, quadratic, polynomial, rational, exponential, logarithmic functions, and inverse functions to solve problems and judge the reasonableness of the results.
- 3. Analyze data, develop representative mathematical models (including regression analysis), and evaluate the appropriateness of the model.
- 4. Use appropriate technology to solve mathematical problems.
- 5. Build sum, difference, product, quotient, and composite functions.
- 6. Use transformations to change a graphical model by varying constants and coefficients in a function.

7. Demonstrate an understanding of the concept of imaginary numbers and do basic operations with complex numbers.
8. Apply the Fundamental Theorem of Algebra to find all complex zeros of a polynomial.
9. Solve logarithmic and exponential equations.
10. Find horizontal and vertical asymptotes of rational functions and sketch the graphs.

Instructional Approach and Methods

- This is a WEB course. All graded material is done online, and all associated lecture notes are posted with corresponding PowerPoints. There are no scheduled lectures.
- All students must contact the instructor using the eLEARN message system by one week after the beginning class day for Summer 2023, June 1. This is required for course credit as attending, and can be done individually or as a reply to the class welcome message.
- MyMathLab exercises including homework and quizzes will have specific due dates which must be followed throughout the course. Any extensions for these categories will be addressed individually with students and may include reduced credit.
- All tests and the final exam must be taken during scheduled mandatory test weeks. **All tests must be monitored by the instructor through the Teams program link created by the instructor.**
- There are two methods for test times: 1) an instructor- scheduled class time for each mandatory test week, or 2) an individual test time scheduled with the instructor during a mandatory test week. Any test that is missed during a mandatory test week without individual consultation will be counted as zero.
- The final exam score will replace any one test that is missed, or the lowest test score if it improves the overall test average.
- Individual student assistance can be done during scheduled office hours. There can be other scheduled times for instructor/student work. Students are encouraged to make appointments.

Assessment, Evaluation and Testing Procedures

- **Course Grading:**
- There are three tests in this course. Your **Test average** will count as **60%** of your course grade.
- The **Homework average** in MyMathLab will count as **20%** of your course grade.
- The **Quiz average** in MyMathLab will count as **10%** of your course grade.

- The **Final Exam** will count as **10%** of the course grade.
- Any missed test grade of zero will be replaced by the final exam grade. If the final exam grade is better than a test grade, its score will be used as a replacement score for that test. This applies to only one test. If more than one test is missed, that grade will be a zero.

Grading Scale

A	90-100
B	80-89
C	70-79
D	60-69
F	below 60

Assignments

All homework and quizzes will be done through the online program MyMathLab. This program must be purchased. The link for purchasing it is given in the eLEARN "News" and "Course Content."

Class Participation

Individual student work with the instructor is encouraged. Periodically new "News" messages will be posted regarding coursework. Students must check this in eLEARN weekly.

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