MATH 143
COLLEGE ALGEBRA

Course Syllabus

SUMMER 2022

Math 143 will be taught virtually for the Summer 2022 term. Please carefully read the requirements for this course. Due to the compressed time-frame for a summer course, you should expect to spend about 20 hours per week working on this class. It may take some students more time based on their background in mathematics. It is best to block out about 4 hours of time each day in your daily schedule to work on Math 143 content.

Note: All time references listed in this syllabus are Pacific Time Zone time references.

1. GOALS OF THE COURSE: The primary purpose of College Algebra is to improve your skills and competency in algebra so that you will be successful in calculus, the other math courses required for your major, and in the courses that use mathematics. Another goal is to help you develop your mathematical learning skills so that you will be more confident in future mathematical courses.

2. LEARNING OUTCOMES: After completing Math 143, the student should be able to:

1. Solve linear equations, quadratic equations, equations that are quadratic in form, rational equations, exponential equations, and logarithmic equations
2. Solve polynomial and rational inequalities
3. Determine the domain of polynomial functions, rational functions, root functions, exponential functions, and logarithmic functions
4. Understand the concept of composite functions, one-to-one functions, and inverse functions
5. Use synthetic division, the remainder theorem, the factor theorem, the fundamental theorem of algebra, and the intermediate value theorem to determine the zeros of polynomial functions
6. Sketch the graphs of basic functions using transformations including polynomial functions, root functions, absolute value functions, rational functions, exponential functions and logarithmic functions
7. Use critical thinking skills to solve word problems which include maximizing/minimizing problems in economics, physics, and geometry

3. REQUIRED STUDENT MATERIALS

MATH 143 SUMMER 2022 COURSE NOTEBOOK: Available through Inclusive Access from the U of I Bookstore. Students will be required to bring this course notebook to class and to Zoom tutoring. Contact your instructor if you need to make an in-person appointment.

Inclusive Access Pearsonmylabandmastering (MML): Students must opt into the MML Courseware to complete the course. See the “How to get started” instructions for details.

1. STUDENT COMPUTER ACCOUNT: All students need a computer account. If you need help with your login information, go to the ITS Help Desk in TLC 128.
VANDAL CARD: You will need your Vandal card in order to take an exam in the Polya Math Center.

HEADPHONES: Headphones are needed to listen to the video lectures at the computers.

TI 30X IIS REQUIRED CALCULATOR: You will need a calculator to work on some problems from the assignments, quizzes and/or tests. A TI 30X IIS is the only calculator allowed when testing.

4. GRADE CALCULATION
Grades will be weighted as follows:

- Exams: 15% each
- Homework: 15%
- Quizzes: 15%
- Asynchronous Activities: 10%

Asynchronous Class Participation: 10% of Course Grade
Students are expected to view and take notes on videos assigned in the Course Notebook and created and posted by the course instructor.

Students will post/submit original work in Canvas, generally weekly, as assigned by the course instructor. The deadlines for these submissions are Friday nights at 11:59 PM PACIFIC TIME and cannot be extended.

Students may be required to contribute to discussions in Canvas as assigned by the course instructor. Participation grades will be determined on a weekly basis by the quality of the submissions. A rubric or examples will be posted in Canvas.

1. Submissions will have a cutoff date and time of Friday evenings at 11:59 PM PACIFIC TIME.
Homework: 15% of the Course Grade
(Two homework assignments will be dropped.)

There is a homework assignment associated with each section of the book that we cover.

Due dates and times are listed in MyLab and are given in the PACIFIC TIME ZONE. Assignments remain available after the posted due-date for 80% credit on all questions completed after the posted due-date until 11:59 PM on the day of the corresponding test. The deadline cannot be extended.

It is your responsibility to meet the deadlines.
Assignments may be finished early.

Each assignment is weighed equally in the grade calculation.

Quizzes: 15% of the Course Grade
Each non-test week students complete a quiz over the material from the preceding homework assignments.

The quizzes are open note and open book.

Students make take each quiz up to 10 times and only the highest grade counts for a given quiz.

Due dates and times are listed in MyLab and are given in the PACIFIC TIME ZONE. It is your responsibility to meet the deadlines.

Tests: (15% each or 60% of the total Course Grade)
Note there is no comprehensive final exam.

Each test covers the two weeks of material prior to the exam due date.

Due dates and times are listed in MyLab and are given in the PACIFIC TIME ZONE.

Exams may be taken TWICE. (Each exam will have two different forms generated by the course software.)

Students will receive the greater of the two scores on their graded exams, provided the exam is taken under the prescribed conditions. These conditions will be explained further by the instructor. It is your responsibility to meet the deadlines.

There is a practice exam to help you prepare for each graded exam. Each practice exam has the same pool of questions and the same structure as the corresponding graded exam.

All tests are password protected and will be proctored at an approved proctoring facility.

To see a list of university approved proctoring facilities in your area go to https://www.uidaho.edu/ACADEMICS/ONLINE-LEARNING/INDEPENDENT-STUDY/PROCTOR-LIST
Select a FREE facility from the list. If you have difficulty finding a FREE facility, then please contact your instructor.

Students bear responsibility for finding a qualified person to supervise and proctor exams. Students and their qualified proctor must complete the proctor information form found at the front of this course notebook. This form must be completed and received by the course instructor via email by 5:00 PM Pacific Time on June 17. If you need to change proctors for any reason, you must first obtain instructor permission and fill out a new proctor information form and have it approved by your instructor no later than one week prior to the next scheduled test deadline date.

It is the student's responsibility to schedule all tests with the proctoring facility or instructor and to adhere to all testing deadlines.

The student must show a government issued picture identification to the proctor before taking an exam. The proctor will let you know what ID is required.

It is strongly recommended that each student schedule tests as soon as possible.

No notes of any kind are allowed on exams.

**ONLY the TI-30XiiS CALCULATOR** is allowed on tests. It is available in many different colors and a picture is pasted above in the required materials section of this syllabus.

**NO DEVICES** capable of transmitting or receiving data, including but not limited to watches, phones, tablets, iPods, and calculators, may be on your person during the exam. Any such items are expected to be left at home or in a secured place outside of the testing area. Failure to do so will result in a zero on the exam and possibly a failing grade for the course.

Students must earn at least a 45% on the corresponding practice test before the first version of the test will become available.

5. **STUDENTS WITH LEARNING DIFFERENCES AND/OR DISABILITIES**
We are committed to accommodate students with special needs. Reasonable accommodations are available for students who have documented temporary or permanent disabilities. All accommodations must be approved through the Center for Disability and Resources located in the Pitman Center, Suite 127 in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course.

1. (208) 885-6307
2. email at cdar@uidaho.edu
3. website at [www.uidaho.edu/current-student/cdar](http://www.uidaho.edu/current-student/cdar)

6. **TESTING**
Tests must be taken as described in part 4 “Grading Scale” above. Key procedures are repeated here. All tests are password protected and will be proctored at an approved proctoring facility.

If you cannot make any of the Zoom proctoring times, then you must have your exams proctored at a university approved FREE proctoring facility. To see a list of university approved proctoring facilities in your area go to [https://www.uidaho.edu/ACADEMICS/ONLINE-LEARNING/INDEPENDENT-STUDY/PROCTOR-LIST](https://www.uidaho.edu/ACADEMICS/ONLINE-LEARNING/INDEPENDENT-STUDY/PROCTOR-LIST).
ONLY TI 30X II-S CALCULATORS only are allowed on tests, calculators may not be borrowed or
shared during the test, and we cannot help you operate your calculator during the test.

NO NOTES of any kind are allowed during tests.

NO DEVICES which are capable of transmitting or receiving data, including but not limited to watches,
phones, tablets, iPods, and calculators, may be on your person during the exam. Any such items are
expected to be left at home or securely stowed in your bag and placed on the shelves in the testing area.
Failure to do so will result in a zero on the exam and possibly a failing grade for the course.

Students must earn at least a 45% on the corresponding practice test before the first version of the
test will become available.

7. COMMUNICATIONS AND EMAIL
Announcements about the course, special sessions, changes in schedules or procedures, and so forth, will
be sent to your university e-mail account. You are expected to check your University e-mail regularly.

Your instructor will supply you with an email contact for the course on the first day of class.

All emails must follow standard grammar and punctuation rules. Any email which fails to adhere to
these standards will be returned to you for revision. Emails should also follow basic email etiquette.
Any emails that violate the student code of conduct regarding respect of others will be sent to the Dean of
Students as appropriate.

8. ACADEMIC HONESTY
Students are expected to maintain Academic Honesty in all their work. Collaboration is encouraged on
homework assignments. All tests are considered individual work and must be completed without
unauthorized assistance of any kind, including the help of other students, tutors, notes, or calculators. All
test materials and scratch paper are to be turned in with the test paper and attempting to bring test work
out of the testing area and/or share that work with other students is considered cheating.

The University of Idaho has defined acceptable behavior in the Student Code of Conduct Article II.A-1 –
Academic Dishonesty [rev. 7-98, 7-05, 7-14, ed. 7-09]. The following summarizes relevant points related
to your math course:
• Because academic honesty and integrity are core values at a university, the faculty finds
  that even one incident of academic dishonesty may merit expulsion.
• Cheating on classroom or outside assignments, examinations, or tests is a violation of this
code.
• Plagiarism, falsification of academic records, falsification of records and the acquisition or use of
test materials without faculty authorization are considered forms of academic dishonesty and, as
such, are violations of this code.
• Instructors and students are responsible for maintaining academic standards and integrity in their
classes. Consequences for academic dishonesty may be imposed by the course instructor. Such
consequences may include but cannot exceed a grade of "F" in the course.
9. ASSIGNMENT/TEST EXTENSIONS
Make up work for assignments missed because of absence will not be allowed unless an arrangement with the instructor is made prior to the absence, or in cases of medical or family emergency, in which case documentation of the emergency will be required. You must bring appropriate documentation to your instructor within two business days of the assignment’s due date, not to exceed Friday, August 2. The length of the extension granted will be determined by the number of days listed on the documentation.

If ongoing illness or other circumstances fitting the catalog definition of an excused absence prevent you from bringing documentation for your absence within two business days, then each additional delay must also be documented and the documentation for the delay must be presented with the documentation for the original absence. (See University Catalog under General Requirements and Academic Procedures, section M for details about absences.)

Field trips and official student travel require preparation and notification in advance of departure. See the catalog for details.

Note that students will be granted only one extension per semester without documentation on a homework assignment or computer quiz. Use your extension wisely. Proper documentation will always be required to make up a test or an in-class notebook quiz.

Problems with your personal computer or internet connection are not grounds for an extension. Such problems are known to occur. It is your responsibility to plan ahead for outages or personal computer problems.

a) ADDITIONAL CAMPUS RESOURCES

The Office of Equity and Diversity engages in social justice advocacy through policy implementation, programs and services that promote access and inclusion for cultural and diverse populations. We collaborate with stakeholders to develop an intentional, culturally literate and responsive community founded on respect for the individual and the collective. We are committed to ensuring bias-free, safe spaces for our entire Vandal family, to achieve our University’s mission of focused and inclusive excellence.

Phone (208) 885-2468
Email: diversity@uidaho.edu
Website: www.uidaho.edu/diversity/dhr

Counseling and Testing Center: The Counseling & Testing Center’s (CTC) staff of full-time psychologists and supervised graduate intern and practicum students offers students, faculty and staff access to a wide range of counseling services, resources and referrals.

Phone: (208) 885-6717
Email: ctc@uidaho.edu
Website: www.uidaho.edu/current-students/ctc
UNIVERSITY OF IDAHO CLASSROOM LEARNING CIVILITY CLAUSE:
In any learning environment, it is essential that all members feel as free and safe as possible in their participation. It is expected that everyone in this course will treat each other with mutual respect and courtesy, with an understanding that all of us (students, instructors, professors, guests, and teaching assistants) will be respectful and civil to one another in discussion, in action, in teaching, and in learning. Should you feel class interactions do not reflect an environment of civility and respect, you are encouraged to contact your instructor to discuss your concern. Additional resources for expression of concern or requesting support include the Dean of Students office and staff (208-885-6757), the UI Counseling & Testing Center’s confidential services (208-885-6716), or the UI Office of Human Rights, Access, & Inclusion (208-885-4285).

b) SUMMARY OF EXPECTATIONS FOR STUDENT PERFORMANCE

- Purchase notebook on the first day of class
- Register for software on the first day of class
- Complete every page of the notebook
- Complete homework as outlined in the course calendar
- Check your University of Idaho email at least one time every day
- Be on time and prepared for class and pay attention for the entire class period
- Bring the course notebook to class, with appropriate pages completed for the day
  Accurately complete notebook materials
- Attend the Polya Mathematics Center for 150 minutes (2 1/2 hours) each week
- Take each computerized test three times (or until at least 90% is achieved on one of the attempts)
- Take each written test during the designated course period
- Keep track of my grades by using the grade summary sheet distributed on the first day of class
- Maintain Academic Honesty in all my work

c) SUMMARY OF EXPECTATIONS FOR INSTRUCTOR

- Be on time and prepared for class
- Be prepared to present upcoming material and answer student questions
- Respond to emails during business hours (Note: It may take more than one day to research and respond to an email. I will check my email at least once during each business day.)
- Establish office and Polya hours
- Be available during designated office hours
- Grade assigned activities

13. UI MOSCOW LAND ACKNOWLEDGEMENT

UI Moscow is located on the homelands of the Nimíipu (Nez Perce). We extend gratitude to the indigenous people that call this place home, since time immemorial. UI recognizes that it is our academic responsibility to build relationships with the indigenous people to ensure integrity of tribal voices.