

COURSE

SYLLABUS



MATH 100BC LEAP Accelerated Algebra Fall 2021

**** in person ****

Online Asynchronous Course

Instructor Information

Instructor: Amanda von Jentzen ☺

E-mail: amanda.vonjentzen@cwu.edu

Office Hours: Tu/Th: 11-12:00 (Virtual), Zoom ID: 716-753-5323

M/W: 11-12:00 (in person)

F: By appointment

Instructor Communication

The best way to reach me is by sending an email.

Typically, you can expect to have a response by 5pm if you email me during the day. If you send your email after 3pm, you can expect an email first thing the next morning. If you email over the weekend, please allow until midday on Monday for a response.

Preparation

Prerequisites & Requirements

Prerequisite: ALEKS score of 30-45 and planned major on the STEM or Business pathway.

Required Materials

Math 100BC Course Pack

Graphing Calculator (TI83-84 preferred) ***Note: Cell phones will not be allowed on exams.*

Homework embedded into Canvas using an online platform, MyOpen Math.

Recommended Materials

80-100page spiral or hard-bound notebook with graph or lined paper for note taking & tests

Course Details

Course Description

This accelerated course is designed to provide students with the algebra, problem solving, and academic skills necessary to be successful in a college-level pre-calculus course. This course will emphasize appropriate use of the graphing calculator as a mathematical tool. Credits will not be allowed toward meeting bachelor's degree requirements.

Math Mission Statement

In support of liberal education, scientific careers, teacher preparation, and actuarial science, the mathematics department prepares students for quantitative and symbolic reasoning and advanced mathematical skills through general education, service, major and graduate programs.

Course Rationale

This course reinforces concepts of Algebraic skills and concepts. Modeling through numerical, graphical and traditional algebraic approaches will be used to give students an understanding of these concepts. An inquiry based-approach will be used to understand how the concepts of algebra make sense, connect, and are applied in real life situations. This type of application and understanding is meant to prepare students for their future math classes and field of study.

Course Details

Math 100BC is a 100 level, developmental course, which satisfies prerequisite requirements to move into college level courses. This is a non credit-bearing course, meaning credits are not earned towards a degree, it simply satisfies this pre-requisite requirement. In addition, the grade from this course is not factored into student GPA. Successful completion of this course with a C or higher will earn move into Math 152 or an equivalent QR course. Successful completion of this course with an A will earn move into Math 153.

Standards (Learner Outcome):

Upon successful completion of this course, students will show mastery of the following standards:

Standard 1: Fractions

Standard 2: Order of Operations

Standard 3: Inequalities & Systems of Inequalities

Standard 4: Set Notation & Interval Notation

Standard 5: Linear Equations

Standard 6: Systems of Equations

Standard 7: Properties of Exponents

Standard 8: Exponential Equations

Standard 9: Polynomials

Standard 10: Quadratic Equations

Standard 11: Solving Quadratics with Quadratic Formula

Standard 12: Factoring Methods (basic)

Standard 13: Factoring Methods (advanced)

Standard 14: Library of Functions (Throughout)

Standard 15: Properties of a Function

Standard 16: Transformations

Standard 17: Rational Functions (Domain & Simplify)

Standard 18: Solving Rational Equations

Standard 19: Radicals (simplifying)

Standard 20: Radicals (operations & equations)

Course Expectations/Policies

Teacher Expectations

- *Be organized (keep track of assignments and tasks to do each week)
- *Be prepared (have necessary materials, complete homework and assignments)
- *Be present (engage regularly in class assignments and groupwork)
- *Be active (participate in discussions and activities, ask questions)
- *Be your best (put forth your best effort, ask if unsure, try, try, try)
- *Be respectful (treat others as you want to be treated in discussions, projects, presentations, question & answer sessions)

Attendance

“Attendance” will be tracked by exit cards given in class. You are expected to attend all class sessions. Your scores and grades will reflect your understanding, which is developed and strengthened through consistent work in class sessions, participation in discussions/projects, and effort put into assignments, projects and tests.

*The last day to add/drop the class is **September 28th, 2021.***

Academic Dishonesty

Students are expected to adhere to university student code of conduct regarding academic honesty. Any student who submits work that is suspected to be a product of academic dishonesty will have the opportunity to meet with the instructor to discuss the suspicion and confirm or deny the allegation. A formal Behavior of Concern report will be submitted to the Office of Student Rights and Responsibilities. In addition, depending on the severity of the allegation, a failing grade could be issued for either the assignment or the course.

Class Participation

Our class session consists of live, in person lessons. During the class sessions, it is expected that you will participate in the lessons, ask questions and share your ideas and thoughts.

- Participation and engagement is an important part of this course. Engagement in your learning is proven to help you be more successful.
- There are many times that I will call on students in class, it is always ok to respond with “I’m not sure” if you are not certain. I may ask additional questions to assist in finding out what you are thinking.
 - There will also be times when we begin a topic that I will ask what you think makes logical sense. This may seem challenging because I have not taught any part of the topic yet, but at times like this, you should think about what you already know about the concept and make predictions based on what you already know.
- Partner projects and reviews are a required part of the assignments for the course.
- Cell phones should be put away at all times during class.

Netiquette

Our behavior in an online setting is foundational to our success given the online modality of the course. ***Kind and respectful behavior is expected in all online interactions.***

- Before posting a question, check to see if someone has already asked the question and received a reply.
- Stay on topic. Avoid posting comments, thoughts, photos, etc. that are unrelated to the topic.
- When commenting on the thoughts or ideas of a classmate, validate the ideas, tell something you liked and something that you have a question or an idea about.
- Don't type in ALL CAPS. It comes across as screaming/shouting.
- Be professional and careful when posting. Use proper grammar, punctuation and complete sentences, use complete words, not 'text talk' (ex. ty, smh, idk), spell check your comments.
- Be kind and compassionate in your interactions. It is ok to disagree with others, but you must do so in a respectful manner.
- All posts should be free of language that could be considered discriminatory, harassment, offensive, profane, or are judgmental of the ideas/thoughts of others.
- Above all, talk to others how you want others to talk to you.

Diversity

Central Washington University prides itself on the diversity of students who attend the university. Throughout the course, you will have the opportunity to work with students who have similarities and differences to you. It is important that you take every opportunity to embrace students who are similar to you and those who are different. We can learn a lot from each other if we take every opportunity to celebrate what makes us unique. It is expected that you will treat all students, teachers, and tutors with respect and enter into group situations and tasks with an open mind. No student will be discriminated against on the basis of race, ethnicity, age, creed, religion, gender, sexual orientation, marital status, or political ideology.

Advice & Support

Homework Advice

Homework is assigned to you for each standard so you have practice to master concepts and help you to retain important information and make connections between concepts and ideas we discuss in class. You will be successful if you attend class consistently, take notes and begin your homework on the day that we start working on the standard. Doing a little every day in manageable pieces, will help you to build good habits and recognize difficulties you have early on. You might find that you benefit from talking through the material with one or more classmates. If this is the case, you might consider forming a study group. If you regularly participate in a study group, make sure you understand and can complete the content independently because your study group will not work with you on tests.

“I’m having trouble with...”

There may come a time in this or other classes where you find yourself stuck and struggling to understand the material. Note that this is something that happens to everyone, and when it happens to you, you have several options:

- Ask a classmate or friend
- Attend PALS (Peer Assisted Learning) Online tutoring sessions
- Make an appointment with the ASC Math Center’s Online Tutoring
- Come to my office during virtual office hours for assistance

Student Support

Central Washington University has many resources to help you and enhance your experience here, while looking out for your well-being and aiding in your success. Some examples of available resources: Math Center, Writing Center, Academic Coaching, Wellness Center, Student Health Center, Disability Services, Counseling Services, Employment Services, Registrar, Information Services, and many more. A complete list of resources is available at [this website](#).

Testing

Standard Tests

Each standard concludes with a test you will take to show mastery of the content. Testing day will always be on Monday. In order to be eligible for a retake, you **MUST** be present for the original testing session.

You will be required to show your work on paper, clearly numbering and organizing your paper. If you do not show work on your test items, you will not receive credit.

To pass a standard test, you need a score of **80% or higher** on the standard.

You may retest the standards if your first attempt was not successful.

Retaking a Standard Test

If you score below 80%, you will need to retake the standard test. There are only 2 retakes per standard, so you **MUST** be sure to prepare for each test.

Prior to retaking the test, you **must** attend a tutoring session and go through the content with a tutor. *You will be able to retake the test the day after you have attended the tutoring session.*

In order to avoid procrastinating until the end of the quarter, it is suggested that you study and retake tests as soon as possible.

Preparing to Retake a Standard Test

If you need to retake a standard test, you will follow these steps to ensure your success.

1. Review the test rubric and related comments to see what you missed.
2. Use the given comments to analyze your items and see where the mistakes are.
3. Try to solve the problem again using the given comments.
4. When you go into your tutoring session, share with the tutor your original test and the rubric comments on the items you missed.
5. Solve the problems again with the tutor.
6. Share the practice problems from the lecture notes with the tutor for additional practice.

Grading Information

Grading

Grades will be based on specified academic standards. Students who successfully complete this course will show mastery of a set of 20 mathematical concepts called “standards”.

There are 20 academic standards that will be taught and assessed throughout the quarter.

Coursework Feedback

- Homework is automatically graded by the MyOpenMath system and entered into the grade book as you work.
- Standard Tests, discussions and other class work will be graded and entered into the grade book within 2 business days of the due date.

Passing Grades

Passing grades will be based on three criteria:

1. 80% completion of assigned homework and class work
2. 80% participation in class (including viewing videos and engaging in discussions)
3. Completion of at least 15 standards

Grading Scale

Number of Standards Met	Grade
19-20	A *Entry into Math 153*
17-18	A- *Entry into Math 152*
16	B *Entry into Math 152*
15	C *Entry into Math 152*
12-14	D
0-11	F

****SUCCESSFUL COMPLETION****

To advance to future courses, you must earn a C or better in the course work.

- Mastery of 15-18 standards will advance you into Math 152, though with the structure of the course, this is considered a retake.
- Mastery of 19-20 standards will advance you into Math 153.

Student Information & Resources

Accessibility and Accommodations

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning, discuss your concerns with your instructor. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Student Disability Services is located in Hogue 126. Call (509) 963.2214 or email ds@cwu.edu for more information.

Resources for Online Students

CWU offers a variety of services and guidelines for current and future online students regarding admissions, degree-completion advising, Canvas and learning tool help, access to online library resources, and support for out-of-state students. Familiarity with these resources, broken down for future and current students, will greatly improve your knowledge of online support at CWU, the tools you'll need to engage with classes, and the essential steps and processes required for graduation. Please refer to [our website for a complete list of available student resources](#).

Online Learning Basics for Students

We at Multimodal recognize and embrace that online learning requires different strategies for students. Please refer to our Online Learning Basics page for [helpful strategies for completing your tenure at CWU online successfully](#).

Sexual Misconduct

Central Washington University is committed to providing all community members with a learning and work environment that is free from sexual harassment and assault. Students have options for getting help if they have experienced sexual assault, relationship violence, and sexual harassment, or stalking. Information can be found at <http://www.cwu.edu/wecare> and in CWUP 2-35-050: Sexual Harassment. Faculty are required to report information regarding sexual misconduct or related crimes. Students may speak to someone confidentially by contacting the CWU Wellness Center, 509-963-3213, or the CWU Student Counseling Clinic, 509-963-1391.

COVID Statement 2021

In accordance with Proclamation 21.14.1, CWU has chosen to make vaccinations a priority this fall. We believe that fully vaccinated community is the best way to protect our individual and collective health and safety. **Proof of vaccination against COVID-19 will be required by October 18, 2021 for all employees and students.** Medical and/or religious accommodation requests will be considered. All employees and students are required to wear masks while indoors.

Face Covering Policy 2021

Cloth face coverings must be worn indoors by all CWU students, employees, and visitors. The mask must cover mouth and nose, fitting as snugly as possible against the sides of the face. Students not wearing a mask will be asked to put one on. If they refuse, students will be asked to leave the classroom and the building.

Math 700B Accelerated Algebra

FALL Quarter Calendar

*The following is a tentative schedule

September 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sept. 19	20	21	22 First Day! of Classes!!	23 S1: Fractions	24 S1: Fractions	25
26	27 Standard 1 Test	28 S2: Order of Operations	29 S2: Order of Operations	10 S3: Inequalities	October 1 S3: Inequalities	2
3	4 Standard 2 & 3 Test	5 S4: Set & Interval Notation	6 S5 Functions & Function Notation	7 S5: Linear Equations	8 S5: Linear Equations	9
10	11 Standard 4 & 5 Test	12 S6: Systems of Equations	13 S6: Systems of Equations	14 S7: Properties of Exponents	15 S7: Properties of Exponents	16
17	18 Standard 6 & 7 Test	19 S8: Exponential Equations	20 S8: Exponential Equations	21 S9: Polynomials	22 S9: Polynomials	23
24	25 Standard 8 & 9 Test	26 S10: Quadratic Equations	27 S10: Quadratic Equations	28 S11: Solving with Quadratic Formula	29 S11: Solving with Quadratic Formula	30

November 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1 Standard 10 & 11 Test	2 S12: Factoring (basic)	3 S12: Factoring (basic)	4 S13: Factoring (advanced)	5 S13: Factoring (advanced)	6
7	8 Standard 12 & 13 Test	9 S16: Library of Functions	10 S16: Library of Functions S14: Transform- ations	11 NO CLASS Veteran's Day!	12 S14: Transform- ations	13
14	15 Standard 16 & 14 Test	16 S15: Properties of Functions	17 S15: Properties of Functions	18 S17: Rational Functions	19 S17: Rational Functions	20
21	22 Standard 15 & 17 Test	23 S18: Solving Rational Equations	24 NO CLASSSS! Thanksgiving & Native American Heritage Day!	25 NO CLASSSS! Thanksgiving & Native American Heritage Day	26 NO CLASSSS! Thanksgiving & Native American Heritage Day	27
28	29 Standard 17 & 18 Test	30 S19: Radicals (simplifying)				

December 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 S19: Radicals (simplifying)	2 S20: Radicals (operations/ Equations)	3 S20: Radicals (operations/ Equations)	4
5	6 FINALS WEEK: NO CLASS STUDY DAY!	7 Standard 19 & 20 Test	8	9	10	11