

C O U R S E

S Y L L A B U S



MATH 100A Accelerated Algebra

FALL 2022

In Person: M-F 12-12:50pm & 1-1:50pm

Instructor Information

Instructor: Amanda von Jentzen ☺

E-mail: amanda.vonjentzen@cwu.edu

Office Hours: Samuelson 228H Tu-F, 11am-12pm

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 0-29 and planned major on the STEM or Business pathway.

Required Materials

Math 100A Course Pack

Recommended Materials

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

CourseDetails

Course Description

This course is designed to provide students with number sense, fractional concepts, problem solving, beginning statistics, graphing and algebraic skills and concepts necessary to be successful in further developmental courses and future college math courses.

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 100A 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 will move into Math 100B.

Standards (Learner Outcome):

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

Standard 1: Whole Numbers & the Number Line

Standard 2: Negative Numbers

Standard 3: Integers & Basic Operations

Standard 4: Introduction to Algebra

Standard 5: Working with Expressions

Standard 6: Radicals & Exponents

Standard 7a: Introduction to Fractions

Standard 7b: Operations with Fractions

Standard 8a: Introduction to Decimals

Standard 8b: Operations with Decimals

Standard 9: Ratios & Proportions

Standard 10: Percentages

Standard 11: Geometry

Standard 12: Unit Analysis & Conversion

Standard 13: Introduction to Statistics: Mean, Median, Mode, Range

Standard 14: Introduction to Graphing

Standard 15: Scientific Notation

Standard 16: Homework

Standard 17: Attendance

Standard 18: Attendance in PALS sessions

In order to meet the requirements for:

Standards 1-15:

Students must show mastery of course content standards by passing the standard assessment with a score of 80% or higher.

*Students may retest on the standards if their first attempt was not successful within two weeks of the original scheduled assessment. Students may retake standards up to a maximum of five times.

Standard 16:

Students must obtain at least 80% as an average score on all assigned homework;

Standard 17:

Students must attend a minimum of 80% of assigned class days (excused absences do not count against the student);

Standard 18:

Students must attend a minimum of 8PALs sessions.

Note: If students are unable to attend these sessions, arrangements can be made with the Tutoring Center or instructor to work around student's schedules

Course Expectations/Policies

Teacher Expectations

- *Be on time for each class session (log in a couple minutes before the start of class)
- *Be prepared (have necessary materials, complete homework and assignments)
- *Be present (show active listening, focus on class happenings, keep cell phones away)
- *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

You are expected to attend every session of the class. This course is a real time, synchronous course, meaning that we will hold daily class sessions. Your scores and grades will reflect your understanding, which is developed and strengthened through consistent work in class sessions, participation in discussions, and the effort that is put into assignments, projects and tests. If you have to be absent for an emergency, please contact me at the earliest possible time. *The last day to add/drop the class is April 4th, 2022.*

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 in person sessions

During the class sessions, it is expected that you will participate in the lessons, ask questions and share your ideas and thoughts.

- In some cases, I will call on students to answer questions. In times like this, 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.
- If the lesson is moving too quickly, please inform me.
- There will be times when we begin a topic that I will ask what you think makes logical sense. At times like this, you should think about what you already know about the concept and make predictions based on what you already know.
- During partner or group activities, it is expected that you are contributing and staying on task.

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. Due to time constraints, we usually test on more than one standard on testing days.

Standard tests will be made up mostly of items from the current standard. However, there will be some review items from previous standards.

You will be required to show your work on EVERY ITEM, clearly organizing your work. This is the proof for your solutions.

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

Retaking a Standard Test

If you need to retake a standard test, you will retake the entire test. You may retake each standard only ONCE so you will need to make sure you are prepared.

Prior to retaking the test, you **must** attend a tutoring session and go through the content with a tutor. In this session, you must correct ALL missed items on a clean paper, showing all steps to the correct solution. In addition, you will need to complete the standard “practice” section in the course pack. *You will be able to retake the test the day after you have attended the tutoring session.*

RETAKES MUST BE COMPLETED BY FRIDAY OF THE WEEK THEY ARE ORIGINALLY GIVEN.. It is important that you adhere to these deadlines if you wish to retake the tests.

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 to see what you missed, and analyze your items and see where the mistakes are.
2. Attend a tutoring session. You **MUST** have your tutor complete the retake slip.
3. Solve each missed item step by step on a new piece of paper. The solution must all be correct.
4. Complete ALL practice items in the course pack.
5. Bring your course pack, original test, corrected items and retake slip to my office for a test retake.

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 standards that will be taught and assessed in this course.

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% attendance in class
3. Completion of at least 15 standards

Grading Scale

Number of Standards Met	Grade
18	A
17	A-
16	B
15	B-
14	C
13	C-
12	D
0-11	F

****SUCCESSFUL COMPLETION****

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

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.

Faith/Tradition Observances Policy

In compliance with RCW 28B.137.010, Central Washington University makes every effort to deal reasonably and fairly with students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Students must present written notice to their instructor within the first two weeks of class listing the specific dates on which accommodations are required. Contact the Dean of Student Success at (509) 963 – 1515 for further information or questions.

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.”

Math 100B Accelerated Algebra FALL Quarter Calendar

The following calendar is a tentative schedule and is subject to change based on understanding, mastery and general pace of each particular class of students

SEPTEMBER & OCTOBER 2022						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sept. 18	19	20	21 First Day! of Classes!!	22 S1: Whole Numbers & the Number line	23 S1: Whole Numbers & the Number line	24
25	26 Standard 1 Test	27 S2: Negative Numbers	28 S2: Negative Numbers	29 S3 Integers & Operations	30 S3 Integers & Operations	Oct. 1
2	3 Standard 2 Test	4 S3 Integers & Operations	5 S3 Integers & Operations	6 S4 Intro to Algebra	7 S4 Intro to Algebra	8
9	10 Standard 3 & 4 test	11 S5: Expressions	12 S5: Expressions	13 S6: Radicals & Exponents	14 S6: Radicals & Exponents	15
16	17 Standard 5 & 6 Test	18 S7: Intro to Fractions	19 S7b: Fraction Operations	20 S7b: Fraction Operations	21 S7b: Fraction Operations	22
23	24 Standard 7a & 7b Test	25 S8a: Intro to Decimals	26 S8b Decimal Operations	27 S8b Decimal Operations	28 S8b Decimal Operations	29

OCTOBER & NOVEMBER 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	31 Standard 8a & 8b Test	Nov.1 S9: Ratios & Proportions	2 S9: Ratios & Proportions	3 S10: Percentage	4 S10: Percentage	5
6	7 Standard 9 & 10 Test	8 S11: Geometry	9 S11: Geometry	10 S11: Geometry	11 NO SCHOOL Veteran's Day	12
13	14 Standard 11 Test	15 S12: Unit Analysis & Conversion	16 S12: Unit Analysis & Conversion	17 S13: Statistics	18 S13: Statistics	19
20	21 S13: Statistics	22 Standard 12 & 13 Test	23 NO SCHOOL Thanksgiving Break	24 NO SCHOOL Thanksgiving Break	25 NO SCHOOL Thanksgiving Break	

NOVEMBER & DECEMBER 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28 S14: Graphing	29 S14: Graphing	30 S15: Scientific Notation	1 S15: Scientific Notation	2 S14 & 15 Test	3 Total 54 Days
4	5 FINALS WEEK: NO CLASS STUDY DAY!	6	7 12-2pm FINAL	8	9 8-10am FINAL	10