



Mathematics Department  
400 E University Way  
Ellensburg, WA 98926

MATH 100A  
Room: Samuelson 244 (9 am)  
Samuelson 102 (10 am)  
Samuelson 101 (2 pm)  
Instructor: Ann George

Pre-Algebra  
Credits: 5  
Office: 228D, Samuelson  
Office Hours: 1 pm-1:50, M-F  
E-mail: ann.george@cwu.edu  
(Please use Canvas email)

### **Text**

Math 100A Coursepack

### **Recommended Materials**

Calculator (with exponents), one 80-100 page spiral or hard-bound notebook with graph or lined paper, pencils, erasers.

### **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.

Credits will not be allowed toward meeting bachelor's degree requirements.

### **Prerequisites**

Prerequisite: ALEKS score of 29 or less.

### **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.*

### **Attendance**

I expect you to attend every session of the class. 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 and assessments. If you must be absent for an emergency, please contact me at the earliest possible time.

### **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.

### **Grading**

This course is standards-based. Grades will be issued based on the number of standards passed.

### **Grading Scale**

# of Standards met	18	17	16	15	14	13	12	11 and under
Grade	A	A-	B	B-	C	C-	D	F

Student learning outcomes: Students who successfully complete this course will be able to show mastery on a set of mathematical tasks called standards.

There are a total of 18 standards that will be assessed throughout the term\*; 15 of which are based on course content, 3 standards are based on participation within the course (Homework, Attendance and Attendance in PALs). To show mastery of a topic, students must meet the Standard requirements.

### **Learner Outcomes**

Upon successful completion of this course, the student will be able to show mastery of the following learning 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 7: Fractions
- STANDARD 8: 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 (80%)
- \*\*\*STANDARD 17: Attendance (80%)
- \*\*\*STANDARD 18: Attendance in PALs sessions (8 visits)

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% 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 8 PALs 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.

### **Homework Advice**

Homework is assigned so you have enough 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 complete your daily homework. 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, you must ensure that you understand and can complete the content independently because your study group will not work with you on tests.

Homework is due the day before the standard test, but the expectation is that it will be completed each day following the lessons in order to strengthen understanding of the material.

### **"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 if happens to you, you have several options:

- Ask a classmate or friend

- Visit the drop-in tutoring area at the University Math Center in Brooks Library
- Come to my office during office hours for assistance
- Attend PALS (Peer Assisted Learning) tutoring groups

### **Disability Resources Statement**

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 in Hogue 126. Call (509) 963.2214 or email [ds@cwu.edu](mailto:ds@cwu.edu) for more information.

### **Teacher Expectations**

- \*Be on time for each class session
- \*Be prepared (have necessary materials, complete assignments)
- \*Be present (show active listening, focus on class happenings, keep cell phones put 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)

### **Academic Dishonesty:**

Any student who submits work that is suspected to be a product of academic dishonesty will have the opportunity to meet with me to discuss my suspicion and confirm or deny its accuracy. A formal Behavior of Concern report will be submitted to the office of Student Rights & Responsibilities and, depending on the severity of the infraction, I may issue either a failing grade for the specific assignment, exam, and/or for the course.

### Math 153 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 2022						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>22</b>	<b>23</b>	<b>24</b>	<b>21</b> First Day of Class Syllabus & S1	<b>22</b> S1	<b>23</b> S1	<b>24</b>
<b>25</b>	<b>26</b> S2	<b>27</b> Test 1	<b>28</b> S2	<b>29</b> S3	<b>30</b> S3	

October 2022						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2	3 S3	4 Test 2 & 3	5 S4	6 S4	7 S5	8
9	10 S5	11 Test S4 & S5	12 S6	13 S6	14 S6	15
16	17 S7	18 Test S6	19 S7	20 S7	21 S8	22
23	24 S8	25 Test 7	26 S8	27 S8	28 S9	29
30	31 S9					

November 2022						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 Test S8 & S9	2 S10	3 S10	4 S10	5
6	7 S11	8 Test S10	9 S11	10 S12	11 NO SCHOOL! Veterans Day	12
13	14 S12	15 Test S11 & 12	16 S13	17 S13	18 S14	19
20	21 S14	22 Test 13	23	24	25	26
			NO SCHOOL!!! Thanksgiving & Native American Heritage Day			
27	28 S14	29 Test 14	30 S15			

December 2022						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 S15	2 Test S15	3
4	5 NO CLASS STUDY DAY!	6	7	8	9	10

