9962

Mathematics Department
400 E University Way
Ellensburg, WA 98926

MATH 100A
Room: Samuelson 128 (10 am)
Samuelson 251 (noon)
Samuelson 101 (1 pm)
Instructor: Ann George

Pre-Algebra
Credits: 5
Office: 228D, Samuelson
Office Hours: 11 am-11:50, 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, projects and tests. If you have to 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*; 17 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 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 (80%)
- ***STANDARD 17: Attendance (80%)
- ***STANDARD 18: Attendance in PALs sessions (8 visits)

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% 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 after a standard is covered in class, 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 when 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*** 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.

COVID Mask Policy

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* 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*

March - April 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
March 27	**March 28**	**March 29** **First Day of Class** **S1**	**March 30** **S1**	**March 31** **S1**	**April 1** **S2**	**2**
3	**4** **Test S1**	**5** **S2**	**6** **S3**	**7** **S3**	**8** **S3**	**9**
10	**11** **Test S2 & S3**	**12** **S4**	**13** **S4**	**14** **Change of Schedule Ends** **S5**	**15** **S5**	**16**
17	**18** **Test S4 & S5**	**19** **S6**	**20** **S6**	**21** **S6**	**22** **S7**	**23**
24	**25** **Test S6**	**26** **S7**	**27** **S7**	**28** **S8**	**29** **S8**	**30**

May 2022						
Sunday	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**
1	**2** **Test S7**	**3** **S8**	**4** **S8**	**5** **S9**	**6** **S9**	**7**
8	**9** **Tests S8 & S9**	**10** **S10**	**11** **S10**	**12** **S10**	**13** **S11**	**14**
15	16 **Test S10**	**17** **S11**	**18** **S12**	**19** **S12**	**20** **S13**	**21**
22	**23** **Test S11 & S12**	**24** **S13**	**24** **S14**	**26** **S14**	**27** **S14**	**28**
29	**30** **Memorial Day**	**31** **Test S13 & S14**				

June 2022						
Sunday	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**
29	**30** **Memorial Day**	**31** **Test S13 & S14**	**1** **S15**	**2** **s15**	**3** **Test S15**	**4**
5	**6** **Study Day**	**7** **Retakes**	**8** **Retakes**	**9** **Retakes**	**10** **Retakes**	**11**