

MATHEMATICS 110 – Introduction to Algebraic Concepts - 5 UNITS	Section#1457 Spring 2015
Instructor: Dan Franden Office MSB 212 MTuWTh 8:00/9:10	Room B4 103
Email:Frandede@WLAC.EDU Office Hours: MW TBD	PREREQUISITE: none
Final Exam Date: Wednesday, June 3rd from 8:00 to 10:00	

This course is designed to give the student an understanding of and a competency in arithmetic operations with whole numbers, fractions, decimals, percents; ratios, rates, and proportions; applications of arithmetic, including percent problems; operations with signed numbers; uses of variables in algebra; definitions and applications of basic algebraic properties; writing and simplifying algebraic expressions; and solving simple linear equations.

The following **STUDENT LEARNING OUTCOMES (SLOs)** will be evident throughout the course: A. Critical Thinking: Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences, B. Communication: Effectively communicate thought in a clear, well-organized manner to persuade, inform, and convey ideas in academic, work, family and community settings, and C. Quantitative Reasoning: Identify, analyze, and solve problems that are quantitative in nature. (See Below)

Text: **PREALGEBRA**, 7th Edition, by K. Elayn Martin-Gay

Calculator: **No Calculators on Quizzes or Tests!!** Otherwise, you may use a calculator to *check* your calculations only! A calculator is not really necessary in this course, however. Please do not use a calculator to do the homework.

Course Requirements

- The methods of instruction in this class will be lecture, discussion, group learning, and surveying. You are expected to take an active role in this learning process. You are responsible for all information covered in class. Taking good notes in a math notebook on concepts and examples is **necessary!** I may request that you turn in any class notes from the chapter the day of the chapter test. Make sure you are registered on ETUDES as there will be instruction and assignments posted. (I also post you grade there)
- We will cover the entire book, chapters 1-10. This course will contain a **THROUGH** examination of fractions, chapter 4. We will cover two or three chapter sections every class meeting. I strongly recommend that you read the material we will cover in class **BEFORE** that class!
- ATTENDANCE:** You are expected to attend regularly and on time, with cell phones turned off. Attendance to all class sessions is required. Please plan your schedule so that you arrive on time. You **will** be dropped from the class due to excessive absences, i.e., if you miss two (2) consecutive classes in the first 3 weeks of the semester, or if you miss six (6) classes during the entire semester. However, you should not, under any circumstances, assume that you will be officially dropped from the class role by the instructor. **It is the student's responsibility to officially drop the course if they decide to do so.** Last Day to Drop with a "W" is Friday, May 8, 2015.
- GROUPWORK:** Occasionally we will use group learning sessions in class. Groupwork will occasionally be collected and graded. Group work will usually be scored on a 5 point scale. There will be no make-up group work.
- HOMEWORK and SURVEYS:** Essential to pass this course--practice! All homework problems must be done to assure adequate preparation for examinations. You are expected to do ten (10) hours of homework per week! Homework will be assigned daily. At the beginning of each class, we will go over the previous night's homework, so make sure you have completed it so that you can participate in the discussion. All chapter homework will be due and collected **EVERY Test**, using the homework cover sheet to self-assess your work. **Copy each problem**, and present the solution clearly. Box your answers. **DO NOT JUST TURN IN A LIST OF ANSWERS – THIS WILL RECEIVE NO CREDIT.** Staple your assignments in order, and identify with your name and chapter number. **LATE HOMEWORK WILL NOT BE ACCEPTED.** Answers to all assigned problems are in the back of the book. Book homework sections will be scored on a 5 point scale. Be sure to respond to any homework survey – no response means **NO** points on the particular homework assignment. **Book homework, group work and survey responses will count at least 30% of your grade.**
- TESTS and QUIZZES:** You will have approximately 4 in-class exams (closed-book, closed-notes) given approximately every 4 weeks, and will cover material from usually one or two chapters. Each exam is graded on a 100 point scale. We will also have a homework quiz **EVERYDAY** (this is how I take attendance). There will be no make-up quizzes. **These exams and quizzes will count for 50% of your grade.**

MAKE-UP TEST: Must be agreed upon **BEFORE** the test date.

- FINAL: The cumulative final exam will count for 20% of your grade.** No make-up final will be given.

Grading: 90-100% - A; 80-89% - B; 70-79% - C; 55-69% - D

HELP! Get help when needed! See me in my office, go to the math tutoring lab in the library, work together outside of class. Keep all your homework and tests. **SIGN UP FOR PD 5 – COLLEGE MATH SURVIVAL.** Additional books, such as Math Study Skills Workbook (Paul Nolting), Conquering Math Anxiety, and How to be a Great Math Student can be quite helpful. **SIGN UP FOR MATH 100 –TUTORING!!!**
NOTE: **If you have a disability and might need accommodations in this class, please contact *Disabled Student Program & Services (DSPS)* in Building HLRC 121 as soon as possible to ensure that you receive the accommodations in a timely manner. You may also discuss your need for accommodations with me.**

Disclaimer: Although every effort will be made to adhere to the policies, procedures, and schedules outlined in this syllabus, the instructor reserves the right to revise any information without prior notice.

Note: Please use a separate form for each Course SLO assessed.

Semester	Spring 2015													
Faculty Name or Team Names	Dan Franden													
Course Name and Number	MATH 110													
Course SLOs & Criterion Levels	Check Box Below	Please list all course SLO(s), and mark the one that was assessed.												
		Course SLO	Criterion Level											
		1. Calculate fluently (by hand) with signed whole decimal numbers and fractions.						Each question will be answered correctly by at least 50% of students.						
		2. Model and solve problems using variables and simple linear equations and inequalities.						Each question will be answered correctly by at least 40% of students. At least 25% of students will achieve a level of at least 80% on the set of constructed response questions. At least 50% of the students will achieve a level of at least 60% on the set of constructed response questions.						
		3. Solve problems involving proportional reasoning (including percents)						Each question will be answered correctly by at least 40% of students. At least 25% of students will achieve a level of at least 75% on the set of constructed response questions. At least 50% of the students will achieve a level of at least 50% on the set of constructed response questions.						
	4.													
Mapping Course SLOs to Program SLOs	Course SLO	PSLO 1	PSLO 2	PSLO 3	PSLO 4	PSLO 5	PSLO 6	PSLO 7	PSLO 8	PSLO 9	PSLO 10	PSLO 11	PSLO 12	
	1	X		X										
	2	X		X		X								
	3	X		X		X								
	4													
Mapping Course SLOs to Institutional SLOs	Course SLO	ISLO A	ISLO B	ISLO C	ISLO D	ISLO E	ISLO F	ISLO G	ISLO H	ISLO I				
	1	X		X										
	2	X	X	X										
	3	X	X	X										
	4													
Assessment Instrument	Select the assessment designed to determine how well students achieve the SLO. (If more than one assessment instrument was used, copy and paste the Assessment Instrument and Rating/Rubric Scale sections to provide the additional information).													
	Check Box Below							Check Box Below						
		Written exam							Presentation					
	Multiple choice exam						Portfolio							
	Essay/Research Paper						Department exam							
Case scenarios						Skill evaluation								

	Other:
Rating/Rubric Scale	Describe the criteria for each value/rating.
	4 Criteria description:
	3 Criteria description:
	2 Criteria description:
	1 Criteria description:
0 Criteria description:	
Report of Data	Report the number of students assessed and the scores they obtained. E.g. <i>Of the 28 students who completed the assessment instrument, the breakdown of the scores was: 5 (4s), 15 (3s), 5 (2s), and 3 (1s).</i>
Interpretation of Data	What is your interpretation of these results? Include your conclusion about whether the students achieved the criterion level.

Actions Planned	Based on this assessment, what will you change (related to pedagogy, instructional methods, or materials) the next time the course is offered?
	Based on this assessment, what formal changes to the Course Outline of Record (if any) do you propose to improve student learning for the SLO(s) assessed?
Actions Taken (if applicable)	What changes have been implemented based on the previous course assessment?
Faculty Dialogue	What information are you sharing (e.g., assessment methods, rubrics used) with other faculty? When have these robust dialogues been held? What is the plan for dialogues for next year?
	How are you sharing this information? (e.g. Divisional Council or Division Meetings)
Faculty Reflection	What changes would you suggest (if any) to the outcomes process? Please share any general comments on the process and/or results of assessment that you would like the SLO Committee to know.
Sample of Student Projects	Submit sample student projects—essays, research projects, skill evaluation forms, department exams, papers, or written exams—to illustrate scores according to the rubric (if available) to Todd Matosic, WLAC SLO Coordinator. Submit one sample for each value on the rating/rubric scale. Please remove student names from the samples. Attach to this form or email as attachments to: matosit@wlac.edu Todd Matosic mailbox #169A CE 213 Phone (310) 287-4213

For additional SLO information, visit <http://www.wlac.edu/slo>

For additional information, contact: Todd Matosic (310)287-4213 | CE-213 | matosit@wlac.edu