

Truman/DePaul SNL Bridge
Course Syllabus Spring/Winter 2009

Class Meets Wednesdays 6:00 – 9:35pm
Truman Room (Jan 20 – March 3)
DePaul Room TBA (March 10 – April 28)

	Truman College	DePaul SNL
Course Title	Beginning Algebra (Math 098)	Elements of Algebra (SW 195)
Credit	4 Semester Hours	2 or 4 Quarter Hours
Competency		L6, S2X, FX
Instructor	S. Ripes	P. Rahman
e-mail	mailto:sripes@ccc.edu	mailto:prahman@depaul.edu
Phone	773.575.4067	773.907.4452
Office Hours	Tuesday: 5:30pm to 6:00pm	Tuesday: 5:30pm to 6:00pm
Office	Truman room 2230	Truman room 2230
Pre-requisite	Placement test, or consent of the Department Chair	None

TEXT: Beginning and Intermediate Algebra: 2nd Edition. Miller/O'Neill/Hyde—McGraw Hill Publishers.

IMPORTANT NOTE: We will provide you with all homework problems, worksheets and study guides necessary to study and prepare for quizzes and exams.

MATERIALS: A scientific calculator may be used only with the instructor's consent.

COURSE DESCRIPTION: This course is intended to provide students with fundamental concepts and problem-solving techniques required for intermediate level algebra. This course will introduce you to signed numbers, natural exponents, basic operations on polynomials, factoring, rational and complex expressions, linear equations, word problems, and quadratic equations. The emphasis will be placed on building confidence in solving everyday problems through algebra. Although the course will move to complex and simultaneous equations, the focus will remain on algebra basics and their applications. The first half of this course meets at Truman College and the second half at DePaul's Loop Campus.

COURSE OBJECTIVES:

1. To understand properties and operations of Real Numbers.
2. To be able to solve and graph linear equations and inequalities.
3. To learn about polynomials, their operations, and factoring techniques.
4. To understand proportions and simplifying rational expressions.

METHOD OF INSTRUCTION: Each class will begin with a review of the previous week's homework, and a quiz. New material will be presented in lecture form, and examples will be provided to show students a systematic method of solving problems. Students are strongly encouraged to participate in the lecture by asking and answering questions. Once all new material has been presented, students will work together in groups to solve problems based on the lecture.

HOMEWORK: Homework will be assigned each week and will be collected the following week. Homework should be done in PENCIL, and should be neat and clear. Any problem that is illegible will be marked as incorrect. Use both sides of the paper for all assignments. Your heading on all assignments should be written in the top right-hand corner of the page and must look as follows:

Your Name:
Math 098 or Elements of Algebra
Due Date:
Page Numbers Assigned:
Problem Numbers Assigned:

LATE HOMEWORK WILL NOT BE ACCEPTED AND WILL BE GRADED AS A ZERO.

GRADING AND EVALUATION: Over the course of the quarter there will be 12 quizzes and a comprehensive final. The problems on all the quizzes will be similar to homework problems and problems worked out in class. Of the 12 quizzes, the two with the lowest scores will be dropped. However, a missed quiz without prior approval will count as a zero and will not be dropped.

The following percentages and grading scale will be used to determine the final grade:

Attendance and Class Participation	10%
Homework	10%
Quizzes	50%
Final Exam	30%

90 to 100 A

80 up to 90 B

65 up to 80 C

55 up to 65 D

ATTENDANCE: Your prompt and regular attendance to class is essential to your success in this course. This course covers a lot of material and must move quickly. Therefore, it is necessary that you attend all lectures and follow instructions closely so that you do not fall behind. If an absence is unavoidable, you are responsible for getting the notes and the homework assignment from one of your classmates. Frequent absences may result in either an F grade, or withdrawal from the course.

CHEATING: Any student found cheating on any homework, project, or test will receive a zero for that assignment, and may be subject to serious disciplinary action by the college.

COURSE SCHEDULE:

Week 1	1/20	First Day of Class	Chapter 1, Sections 1-4	Real Numbers, Fractions, Exponents
Week 2	1/27	Quiz 1 on week 1 lecture	Chapter 1, Sections 5-6	Operations involving real numbers, Algebraic Expressions
Week 3	2/3	Quiz 2 on week 2 lecture	Chapter 2, Sections 1-4	Solving Equations, Problem Solving
Week 4	2/10	Quiz 3 on week 3 lecture	Chapter 2, Sections 5-7	Problem Solving, Formulas, Inequalities
Week 5	2/17	Quiz 4 on week 4 lecture	Chapter 3, Sections 1-3	Coordinate Plane, Graphing
Week 6	2/24	Quiz 5 on week 5 lecture	Chapter 3, Section 4-6	Equation of a Line Applications
Week 7	3/13	Quiz 6 on week 6 lecture	Chapter 4, Sections 1-3	Solving Systems of Equations,
Week 8	3/10	Quiz 7 on week 7 lecture	Chapter 5, Sections 1-4	Natural Number Exponents Zero and Negative Exponents
Week 9	3/17	Quiz 8 on week 8 lecture	Chapter 5, Sections 5-7	Polynomials and Operations
Week 10	3/24	Quiz 9 on week 9 lecture	Chapter 6, Section 1-4	Greatest Common Factors Difference of Squares Factoring Trinomials
Week 11	3/31	Quiz 10 on week 10 lecture	Chapter 6, Sections 1-4	Ratios and Proportions Multiply/Divide Rational Expressions
Week 12	4/17	Quiz 11 on week 11 lecture	Chapter 6, Sections 5-7	
Week 13	4/14	Quiz 12 on week 12 lecture	Chapter 7, Sections 1-4 Overall review	Add/Subtract Rational Expressions, Complex Fractions, Solving Equations
Week 14	4/21	Final Exam, Chapters 1-6		

Schedule is flexible and may vary.

NOTE: THERE IS NO SPRING BREAK FOR THIS CLASS