

**Syllabus for Math 95,
Spring 2018**

Teacher

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Office Location

D 351, Science Building.

Office Hours

11:00 am –11:50 am, Monday through Friday, D 315, Science Building, or by appointment if the given time is not convenient.

Text Book: Elementary and Intermediate Algebra 5ed., **Tussy** and **Gustafson**

A reading of the textbook is required and necessary part for acquiring basic information and knowledge about the course subject. The reading will also provide you with another perspective on the studied material, different from the one presented in my lectures. Without reading the textbook, it is difficult to gain a full understanding, mastering, and appreciation of the course subject.

Prerequisites

90 or suitable placement test score.

Course Description

Linear equations including graphing, exponents, radicals, function notation, and quadratic equations.

Learning Outcomes

Upon completion of the course, you should be able to:

Chapter 5

- 5.1 Rules for Exponents
- 5.2 Zero and Negative Exponents

Chapter 8

- 8.2 Functions (Refer to Ch 3.4-3.6 for more depth in writing linear equations.)
- 8.6 Review of Factoring Methods: GCF, Grouping, Trinomials
- 8.7 Review of Factoring Methods: The Difference of Two Squares;
the Sum and Difference of Two Cubes

Chapter 6

- 6.6 A Factoring Strategy

6.7 Solving Quadratic Equations by Factoring

Chapter 9

- 9.1 Radical Expressions and Radical Functions
- 9.2 Rational Exponents
- 9.3 Simplifying and Combining Radical Expressions
- 9.4 Multiplying and Dividing Radical Expressions
- 9.5 Solving Radical Equations
- 9.6 Geometric Applications of Radicals

Chapter 10

- 10.1 The Square Root Property and Completing the Square
- 10.2 The Quadratic Formula
- 10.3 The Discriminant and Equations That Can Be Written in Quadratic Form

Calculators, Computers, iPhones, Smartphones

Not allowed at any time during the class time or on the exams.

Attendance: You ought to attend every class. There is no makeup for missing classes or exams, except university's schedule conflicts, or extreme personal emergencies. You should get my approval beforehand in case you plan to miss a class or test, and it is your responsibility to make prompt arrangements with me for finding out what you have missed and for making up any assigned work. I will check attendance every class. For each missing class you will have deducted one percentage point, but not more than 5 per cent for the whole semester. In addition, you may miss two classes for personal emergencies without incurring any penalties. Regarding the university's attendance policy, you should check 2013-14 UWSP Catalog, page 25. In case of extreme personal emergencies, you should contact me immediately, and if possible, I will try to find a positive way to handle your absence. Examples of extreme emergencies: being sick or hospitalized, death in immediate family, court or military duties, etc.; some documentation will be required. Examples of not extreme emergencies: oversleeping, broken car, going on vacations, having scheduled a flight, etc.

Homework

From each section set exercise there will be assign problems. You must solve these problems right away, possible on the same day. We will go over some of the assigned problems in class.

Quizzes

After each section there will be a quiz.

Exams

There will be four one- class-period chapter exams during the semester, during the class time. Each of these exams will be given right after a studied chapter is covered. The exact dates will be announced in class, at least one week prior to the exam.

- Midterm I, after Chapter 5
- Midterm II, after Chapter 6
- Midterm III, after Chapter 9

- Midterm IV, after Chapter 10

Final Exam

Monday, March 19, 5:00 pm – 7:00 pm, Science Building, A225

Grading:

A	93-100%	C	73-76%
A-	90-92%	C-	70-72%
B+	87-89%	D+	65-69%
B	83-86%	D	60-64%
B-	80-82%	F	< 60%
C+	77-79%		

Description	Points
4 Midterms	4 x 15% = 60% of final grade
Final Exam	20% of final grade
Quizzes	10%
Class Participation	5%
Attendance	5% of final grade
Total	100%

An Example how your Final grade will be Determined

Let's assume that your grades are as follows: the first midterm 80%, second 70%, third 85%, fourth 95, quizzes 90%, class participation 90%, the final exam 80%, and you missed 6 classes, which is 4 above the allowance, so your number of percentage points for the attendance is $5 - 4 = 1$.

Then, your final cumulative percentage will be computed as follows: $80 \times 0.15 + 70 \times 0.15 + 85 \times 0.15 + 95 \times 0.15 + 90 \times 0.10 + 90 \times 0.05 + 80 \times 0.20 + 1 = 80\%$, and this corresponds to letter grade B-.

I also reserve the rights to exercise discretion in raising student's final grade in some special circumstances. Examples for raising the grade, student was very active during whole semester by asking and answering questions, got very high score on the final test, made some interesting discovery that pertained to the course, read mathematical books or articles, achieved the final score higher than most of the students, etc.

Attention

If you need any help or experience any problems with regard to this course, please feel free to make an appointment to see me. You are always welcome to see me and talk to me.

Rights and Responsibilities: You should be fully aware of your rights and responsibilities as a UWSP student, and the pertaining information you can access at

<http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>

Disabilities/ Special Accommodations

The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for students with disabilities. If you have a disability and require classroom and/or exam accommodations, please register with the Disability and Assistive Technology Center (on the 6th floor of the Albertson Hall, room 604) and then contact me at the beginning of the course. Without documentation, I cannot give you accommodations. For more information, refer to their webpage here: <http://www.uwsp.edu/disability/>

HAVE A GREAT SEMESTER AND ABOVE ALL
ENJOY LEARNING THE NEW MATERIAL IN THIS
COURSE!