

Math 95, Section 10 - Fall 2019 Syllabus

Professor:	Dr. Andy Felt	Office:	SCI D355
Office Hours:	M	2:00 – 2:50 p.m.	Phone: 346-4207
	T, R	12:00 – 12:50 p.m.	
	F	11:00 – 11:50 a.m.	
	or by arrangement		
			email: afelt@uwsp.edu

Class Meetings: M, T, W, R, 11:00–11:50, Sci. A207.

Text: *Elementary and Intermediate Algebra*, 5th ed., by Tussy and Gustafson, ISBN 978-1-111-56768-2, available from UWSP Text Rental.

Course Web Page: <http://www4.uwsp.edu/math/afelt/teaching/M95.html>

Calculators and Computers: You may use any four-function, scientific, or graphing calculator, except calculators which have any of the following features:

1. pocket organizers, handheld or laptop computers, electronic writing pads or pen-input devices,
2. calculators built into cellular phones or other wireless communication devices,
3. calculators with a typewriter keypad with keys in QWERTY format,
4. calculators with built-in computer algebra systems (e.g. Casio: Algebra fx 2.0, ClassPad 300, and all CFX-9970G models; Texas Instruments: all TI-89 or TI-92 models, TI-Nspire CAS; Hewlett-Packard: HP-48GII and all HP-40G or HP-49G models),
5. calculators with paper tape, or
6. calculators that make noise or that can communicate wirelessly with other calculators (e.g. HP-38G and HP-48G models).

Prerequisites: Math 90; or suitable placement score

Fundamental Skills to be Learned:

- Recognizing real life situations where mathematical models apply.
- Translating the real life situations into mathematical models.
- Solving the mathematical model.
- Interpreting the solution in the context of the real life situation.

Grading:

Homework Assignments	130 points	This many points gets you	⇒	at least this grade
Class Participation	20 points	460 (92%)	⇒	A,
2 Exams	200 points	450 (90%)	⇒	A–,
Final Exam (Comprehensive)	150 points	440 (88%)	⇒	B+,
Total	500 points	410 (82%)	⇒	B, etc.

Homework: Assignments should have the following format:

- Looseleaf paper only (no spiral schnibbles)
- Name, section, assignment, date on first page
- Stapled, each assignment separately

The grade for each assignment will include 20% based on accuracy and quality of written communication. Examples on this topic are given in Assignment 0. *No late homework is accepted for any reason.* Usually, there will be a class day between the day homework is assigned and the day it is due. Assignments are due at the beginning of class on the day they are due.

Help: Everybody needs help at some point. The key is to *get help right away* when you need it. Here are some ways to get help:

- ask a question in class;
- ask me during office hours;
- ask me in an email;
- the Math Room (SCI A113A) provides help for students in this course;
- drop-in tutoring at the TLC.

Disability Accommodations: Reasonable accommodations are available for students who have a documented disability. Please notify the instructor during the first week of class of any accommodations needed for the course. All accommodations must be approved through Disability Services, located at 609 Learning Resources Center or <https://www.uwsp.edu/datc/Pages/default.aspx>.

General Course Policies:

- Exams must be ONLY your own work. You may work together on homeworks (unless otherwise specified), but the material you turn in must be *your own*. Please see <https://www.uwsp.edu/dos/Pages/Student-Conduct.aspx> to read about your rights and responsibilities as a student, and Chapter 14 (at that page) to read about Wisconsin's academic misconduct code.
- Cell phones, computers, and other technology should be turned off during class and exam times.
- Everyone becomes ill sometimes. When you become ill, I expect you to make a reasonable effort to come to class. When illness or other emergencies require absence from class, I expect you to contact me immediately, preferably by email. I expect you to keep up with what is being taught by following in your book and doing the homework. Either have a friend bring your homework, or slide it under my office door. To account for illness and other emergencies, at least three homework scores will be dropped.

Tentative Calendar

Week of	Approximate Coverage
3 Sep.	5.1 Rules for exponents 5.2 Zero and negative exponents
9 Sep.	8.2 Functions 8.6 Factoring methods: GCF, grouping, trinomials
16 Sep.	8.7 Factoring methods: difference of squares, sum/diff of cubes 6.6 A factoring strategy Exam 1
23 Sep.	6.7 Solving quadratics by factoring 9.1 Radical expressions and radical functions 9.2 Rational exponents

Week of	Approximate Coverage
30 Sep.	9.3 Simplifying and combining radical expr 9.4 Multiplying and dividing radical expr
7 Oct.	9.5 Solving radical equations 9.6 Geometric applications of radicals
14 Oct.	10.1 Square root property; completing the square Exam 2
21 Oct.	10.2 The quadratic formula 10.3 The discriminant
Finals	Thursday, 24 Oct. Final Exam 17:00–19:00