

Maggie Milkovich Office: D260 SCI Phone: (715) 346 – 4124 Email: mmilkovi@uwsp.edu	Office Hours	Class Meets
	1:00 – 1:50 Mon – Thurs 5:00 – 5:50pm Mon, Wed NOTE: Other office hours by appointment or discovery.	Monday - Thursday 11:00 – 11:50 am in SCI A112 Final Exam: Mon, March 19 5-7pm in SCI A207

MATH 95 Intermediate Algebra 2 credits

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

Prerequisite: Math 90 or suitable placement score.

Learning Outcomes: Upon the successful completion of this course you will depart with the understanding that:

1. Algebraic expressions can be rewritten in an equivalent simplified form.
2. Solving equations/inequalities is a process where we find value(s) that yield a true statement.
3. There are several methods to use in solving equations/inequalities so analysis of the problem will determine the appropriate method to use.

Text: Elementary & Intermediate Algebra, 5th Edition, by Alan S. Tussy and R. David Gustafson, customized for UWSP.

Campus Tutoring/Help Resources:

Math Tutoring Room: A113A Science. UWSP students provide free tutoring on a drop-in basis for all math courses.

Tutoring Learning Center (TLC): Individual and group tutoring is available for many subjects, including math. See <http://www.uwsp.edu/tlc/Pages/schedules.aspx> for details.

See <http://www.uwsp.edu/mathsci/Pages/tutoring.aspx> for details of above tutoring services.

MathPad: CCC 302. MathPad is both a classroom and tutoring lab for students enrolled in Math 90/95/107 courses.

Calculators: You may use any four-function, scientific, or graphing calculator, *except* calculators including pocket organizers, handheld or laptop computers, electronic writing pads, pen-input devices or *calculators built into cellular phones or other wireless communication devices*, calculators with a typewriter keypad with keys in QWERTY format, calculators with built-in computer algebra systems.

Electronics: Cell phones should be turned off during class time. Exceptions may be made for unusual circumstances if discussed with the instructor prior to use. Earphones/buds may not be used during lectures, quizzes or exams. Cell phones and smart watches need to be stowed in a backpack during exams and quizzes.

Evaluation: Your final course grade will be determined by the following weights:

15% for homework (done on WebAssign)

45% for Exams – 3 exams, 15% each

20% for written worksheets and quizzes

20% for the comprehensive final exam

Grading Scale:

A: $\geq 92\%$

A – : $\geq 90\%$ but $< 92\%$

B + : $\geq 88\%$ but $< 90\%$

B : $\geq 82\%$ but $< 88\%$

B – : $\geq 80\%$ but $< 82\%$

C + : $\geq 78\%$ but $< 80\%$

C : $\geq 74\%$ but $< 78\%$

C – : $\geq 72\%$ but $< 74\%$

D + : $\geq 69\%$ but $< 72\%$

D : $\geq 65\%$ but $< 69\%$

F : $< 65\%$

Dates for the **quizzes** and **exams** have not yet been determined, but will be announced prior to being given (by about a week).

Homework will be assigned daily and will consist primarily of problems on WebAssign.. Penalties will be assessed on late homework assignments on WebAssign (see below). You will have three tries on each question. If you have not completed the entire assignment by the due date, you have one week to request an automatic extension. Once you ask for the extension, you have 24 hours to complete your work. There is a deduction of 20% for any points earned after the original due date, so try to complete as much work as you can by then.

Late Penalties for WebAssign Assignments:

- If an extension is requested (via WebAssign) within one week of the due date, 24 hours will be granted with a 20% penalty.
- All other extensions will be at the discretion of the instructor.

When you do your homework, it is advisable to do your work on paper in an organized way (I suggest keeping a notebook so all your work is together), just as you would do if you were doing the problems directly from the textbook and handing it in. Your worksheets, exams and quizzes will be on paper, and I expect to have well written and organized work to grade, so take my advice and develop that skill when doing the homework! I will model for you what organized, well written work is in class when I show examples.

Worksheets: worksheets MUST be handed in ON TIME for credit. If your work is messy, or illegible, I will NOT grade it and you will be given a zero for the assignment.

Final Exam: The common Math 95 final will be a comprehensive multiple choice exam.

Attendance is expected at every class meeting. Absences for serious illness, family emergencies, or University sponsored activities may be excused provided you adequately notify the instructor by e-mail prior to intended absence or provide documentation of an emergency. It is the student's responsibility to make every effort to keep up even if absent. Only in rare cases will I extend a homework due date beyond the automatic extension period. Quizzes and exams may not be made up unless arranged with me ahead of time, and then only for sufficient reason.

Incompletes: A grade of incomplete may be given when circumstances arise which are beyond the student's control and the student is unable to complete the course AND the student is passing when the circumstances arise.

For Help: 1) Ask questions as they arise. Come to see during my office hours or schedule an appointment with me for another time. 2) Make use of the MathPad (CCC 302 – see their schedule below), or Math Room (SCI A113A). 3) Tutoring services (through the TLC) are available for this course. More specifics will be provided in class when they become available.

MathPad (CCC 302) Spring 2018 Schedule					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 AM	open @ 8:45	open @ 8:45	Math 90-1	open @ 8:45	open @ 8:45
9:00 AM			Math 90-2		
10:00 AM		Math 90-3			
11:00 AM					
12:00 PM					
1:00 PM					closed
2:00 PM					closed
3:00 PM		Math 90-4			closed
4-7 PM					closed
OPEN FOR DROP-IN MATH 90/95/107 TUTORING					
OPEN FOR DROP-IN TUTORING WITH PRIORITY TO SCHEDULED STUDENTS					

Classroom Behavior: I expect students to act in a respectful and mature adult manner during class. This means that you refrain from talking, using your cell phone, coming into class with earphones in your ears, etc. Any student who is causing a distraction to the instructor or to other students will be asked to stop doing so. If it happens again, that student will be asked to leave the classroom for the day.

General Course Policies

- 1) Pagers and cell phones should be turned off during class.
- 2) UWSP is committed to providing reasonable and appropriate accommodations to students with disabilities and temporary impairments. If you have a disability or acquire a condition during the semester where you need assistance, please contact the Disability and Assistive Technology Center on the 6th floor of Albertson Hall (library) as soon as possible. DATC can be reached at 715-346-3365 or DATC@uwsp.edu.
- 3) You should be fully aware of your rights and responsibilities as a UWSP student. Refer to <http://www.uwsp.edu/dos/Pages/Student-Conduct.aspx> for more information regarding the UWSP Community Bill of Rights and Responsibilities, the UWSP Student Academic Disciplinary Procedures, and the Non-Academic Standards and Disciplinary Procedures.

Tips for Success/How to Study: You should expect to spend at least 2-3 hours for each hour of class time. For this course, that means at least 8-12 hours a week should be spent studying Algebra! Here are my tips for success:

- Before we cover a topic in class, skim the relevant section in your textbook.
- Take complete and neat notes during class.
- After class, read the section in the textbook again, with paper and pencil. Write down all the key points (usually in boxes in the book!). Carefully copy out the textbook examples. It is important to understand why each step is taken.
- After each example, do the “Self Check” examples, and the “Now Try” problems.
- NOW you are ready to do your homework on WebAssign.
- Keep a notebook with all your work for the WebAssign homework. Be organized. Do not skip steps. Do not cram your work into a small space! Neatness is very important. Your worksheets, exams and quizzes will typically be on paper, and I expect to have well written and organized work to grade, so take my advice and develop that skill when doing the homework. I will model for you what organized, well written work is in class when I show examples in class .
- When you have questions about homework problems, I expect to be able to see the work you have done so far so that I can identify where you need help.
- If you cannot do the problems in WebAssign without making frequent use of the “Show Me” videos, or by following an example they give, then you have not yet mastered the process!
- If you need more practice, open your book and do the odd numbered problems for the topics you need more work on so you can check your answers in the back of the book.
- You can only master Algebra skills by practice. You cannot master them by watching me do problems in class, nor even by getting good homework grades if you needed to follow examples in order to get those grades.

TOPICS COVERED (NOT NECESSARILY IN THIS ORDER)

5. EXPONENTS AND POLYNOMIALS

- 5.1 Rules for Exponents
- 5.2 Zero and Negative Exponents

8. TRANSITION TO INTERMEDIATE ALGEBRA

- 8.2 Functions
- 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

6. FACTORING AND QUADRATIC EQUATIONS

- 6.6 A Factoring Strategy
- 6.7 Solving Quadratic Equations by Factoring

9. RADICAL EXPRESSIONS AND EQUATIONS

- 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

10. QUADRATIC EQUATIONS, FUNCTIONS, AND INEQUALITIES

- 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