

MATH 95 – 06

Intermediate Algebra

Spring 2023

Instructor: Dr. Adriana Durbala
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Office Hours:
 Monday 10:00 –11:00 a.m. & 12:00-1:00 p.m.
 Tuesday 10:00 –11:00 a.m.
 Thursday 1:00-2:00 p.m.
 Friday 9:00 –10:00 a.m.
 (or by appointment)

MATH 95 - Intermediate Algebra

Description:

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

Prerequisites:

MATH 90 or suitable placement test score

2 cr.

Meeting rooms/times:

Lecture (**SCI A202**) – Monday, Tuesday, Wednesday, and Thursday 9:00-9:50 a.m.

Session: 8 Week - First (01/23/2023 - 03/17/2023)

Tutoring:

The STEM Tutoring Program offers **FREE** tutoring to support you in your STEM classes. The tutors are UWSP students who have done well in their classes and who are here to share their successful study habits and content knowledge to help others succeed. Discussing concepts and practicing problems together clarifies and solidifies knowledge, and the tutors are eager to study with you. If you have questions about the schedules or would like to make an appointment, please visit CCC 234, email (tlctutor@uwsp.edu), or call (715) 346-3568.

STEM Tutoring – Spring 2023

What	Location	Schedule	Cost
STEM Drop-In Tutoring	CBB 190	No appointment needed – stop by when tutors are available: https://www3.uwsp.edu/tlc/Pages/dropInTutoring.aspx	Free
STEM One-on-One Tutoring	CCC 234 or Virtual*	By appointment. Complete online request form here: https://www3.uwsp.edu/tlc/Pages/Mathandscischedules.aspx	Free

* Availability of virtual tutoring appointments may be limited

MathPad:

The MathPad is a **FREE** tutoring service and computer lab located in CCC 302 dedicated to working with students in MATH 90, 95, and 107. For details and schedule please see:
<https://www3.uwsp.edu/mathsci/Pages/tutoring.aspx>

Textbook: Elementary and Intermediate Algebra 5ed., Tussy and Gustafson

(available at the campus bookstore through the UWSP Text Rental program)

Course website: Canvas <https://www3.uwsp.edu/canvas/Pages/default.aspx>
<https://uwsa.instructure.com/courses/569792>

Log on using your UWSP login and password. ***This website may be used for posting grades, homework assignments, discussion sessions, etc. It is the main hub-interface for this course.***

Calculator:

- No phones and phone calculators are to be used with the course.
- 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; **prohibited** calculators in this category include: Casio: Algebra fx 2.0, ClassPad 300, and all model numbers that begin with CFX-9970G; Texas Instruments: All model numbers that begin with TI-89 or TI-92; Hewlett-Packard: hp 48GII and all model numbers that begin with hp 40G or hp49G.

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 to 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.

Attendance rules:

Regular participation is required. Absences for serious illness, family emergencies, or University sponsored activities may be excused provided you adequately notify the instructor by email prior to intended absence or provide documentation of an emergency. **Late tests will not be given for unexcused absences and arrangements must be made PRIOR to the test date.**

Grading Policies: You will have the following contribution to your final grade:

Three midterm exams each 15%
Final exam 20%
Canvas Homework 20%
Paper-based Homework 15%

TOTAL: 100%

Your current grades will be kept updated as often as possible on CANVAS. If you have any questions/confusions on the listed grades, please contact me immediately so any errors can be corrected.

The final letter grade will be assigned according to the following scale:

A → 93-100% A- → 90-92.99%
B+ → 87-89.99% B → 83-86.99% B- → 80-82.99%
C+ → 77-79.99% C → 73-76.99% C- → 70-72.99%
D+ → 67-69.99% D → 60-66.99%
F → less than 60%

Midterm Exams: There will be **three** midterm in-class exams during the semester. They will be scheduled during the regular lecture hours.

There will be specific dates selected for each midterm exam. Each midterm is worth 15% of your final grade and is based on the material covered in lecture, labs, and homework over the past weeks. Each midterm will cover a distinct segment of the overall material.

Tentative dates:

Exam 1 – Tuesday, February 7

Exam 2 – Tuesday, February 21

Exam 3 – Tuesday, March 7

Final exam: A **comprehensive** 2-hr final exam will be given on **March 16** (room A202 SCI). It is worth 20% of your final grade.

My Exam Schedule > 2023 Spring > UW-Stevens Point			
Class	Class Title	Exam Date	Exam Time
MATH 95-06 (40229)	Intermediate Algebra (Lecture)	3/16/2023, Thursday	5:00PM - 7:00PM

Online Homework (Canvas/MyOpenMath): I will post a new online homework assignment on the course website two or three times a week. Homework assignments will be **submitted online on Canvas** by the due date/time. **The two lowest grades (only two) of all online homework assignments will be dropped.** All online homework assignments will account for 20% of your final grade.

Paper-based Homework: Approximately every week I will hand out a homework assignment on paper. You will be asked to turn in a hand-written detailed solution to a few exercises. It will be worth 15% of your final grade.

Suggestions for Studying:

1. Study regularly and constantly.

There is a lot of material covered. It becomes more and more difficult to keep up with the flow of the course if you do not grasp the new concepts as they arise. Postponing study for the night before an exam rarely pays off.

2. Do not hesitate to ask questions in class. Do not hesitate to ask for guidance and help via email or office hours

3. Try to attend actively.

4. Find someone in the class to study with.

Get to know your classmates well enough so that you can ask for lecture notes, get together (virtually) to study for exams, etc.

Absences due to Military Service: You will not be penalized for class absence due to unavoidable or legitimate required military obligations, or medical appointments at a VA facility, not to exceed two (2) weeks unless special permission is granted by the instructor. You are responsible for notifying faculty members of such circumstances as far in advance as possible and for providing documentation to the Office of the Dean of Students to verify the reason for the absence. The faculty member is responsible to provide reasonable accommodations or opportunities to make up exams or other course assignments that have an impact on the course grade. For absences due to being deployed for active duty, please refer to <https://www3.uwsp.edu/finaid/veteran-services/Pages/Call-Up-Guidelines.aspx>.

Equal Access for Students with Disabilities:

Students with special needs should contact the Disability Resource Center (DRC) as soon as possible (<https://www.uwsp.edu/disability-resource-center/>) in order to request suitable accommodation. UW-Stevens Point will modify academic program requirements as necessary to ensure that they do not discriminate against qualified applicants or students with disabilities. The modifications should not affect the substance of educational programs or compromise academic standards; nor should they intrude upon academic freedom. Examinations or other procedures used for evaluating students' academic achievements may be adapted. The results of such evaluation must demonstrate the student's achievement in the academic activity, rather than describe their disability.

If modifications are required due to a disability, please inform the instructor, and contact the Disability Resource Center to complete an Accommodations Request form. Phone: 715-346-3365 or Room 108 Collins Classroom Center (CCC).

Religious Beliefs Accommodation: It is UW System policy to reasonably accommodate your sincerely held religious beliefs with respect to all examinations and other academic requirements.

You will be permitted to make up an exam or other academic requirement at another time or by an alternative method, without any prejudicial effect, if:

- There is a scheduling conflict between your sincerely held religious beliefs and taking the exam or meeting the academic requirements; and
- You have notified your instructor within the first three weeks of the beginning of classes (first week of summer or interim courses) of the specific days or dates that you will request relief from an examination or academic requirement.

Academic Honesty: Students are expected to maintain the highest standards of academic integrity. More information on your rights and responsibilities are available at:

http://docs.legis.wisconsin.gov/code/admin_code/uws/14.pdf

UWSP 14.01 Statement of principles

The board of regents, administrators, faculty, academic staff and students of the University of Wisconsin system believe that academic honesty and integrity are fundamental to the mission of higher education and of the University of Wisconsin system. The university has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors.

UWSP 14.03 Academic misconduct subject to disciplinary action.

Academic misconduct is an act in which a student:

- (a) Seeks to claim credit for the work or efforts of another without authorization or citation;
- (b) Uses unauthorized materials or fabricated data in any academic exercise;
- (c) Forges or falsifies academic documents or records;
- (d) Intentionally impedes or damages the academic work of others;
- (e) Engages in conduct aimed at making false representation of a student's academic performance; or
- (f) Assists other students in any of these acts.

Help Resources

Tutoring	Advising	Safety and General Support	Health
Tutoring-Learning Center helps with Study Skills, Writing, Technology, Math, & Science, 234 CCC, 715-346-3568	Academic and Career Advising Center, 209 CCC, 715-346-3226	Dean of Students Office, 212 Old Main, 715-346-2611	Counseling Center, Delzell Hall, 715-346-3553. Health Care, Delzell Hall, 715-346-4646

UWSP Service Desk: The Office of Information Technology (IT) provides a Service Desk to assist students with connecting to the Campus Network, virus and spyware removal, file recovery, equipment loan, and computer repair. You can contact the Service Desk via email at itsvdesk@uwsp.edu or at (715) 346-4357 (HELP) or visit: <https://www.uwsp.edu/infotech/Pages/ServiceDesk/default.aspx>

In case of emergency: In the event of a medical emergency call 9-1-1 or use Red Emergency Phone. Offer assistance if trained and willing to do so. Guide emergency responders to victim.

In the event of a tornado warning, proceed to the lowest level interior room without window exposure. See www.uwsp.edu/rmgt/Pages/em/procedures/other/floor-plans.aspx for floor plans showing severe weather shelters on campus. Avoid wide-span structures (gyms, pools, or large classrooms).

In the event of a fire alarm, evacuate the building in a calm manner. Meet at DUC. Notify instructor or emergency command personnel of any missing individuals.

Active Shooter/Code React – Run/Escape, Hide, Fight. If trapped hide, lock doors, turn off lights, spread out and remain quiet. Call 9-1-1 when it is safe to do so. Follow instructions of emergency responders.

See UW-Stevens Point Emergency Procedures at <https://www3.uwsp.edu/emergency/Pages/emergency-procedures.aspx> for details on all emergency response at UW-Stevens Point.

Final note: Common courtesy dictates that students attending a class should be mindful of their classmates. While in class, students should refrain from using phones, music players, headphones, etc. and should also refrain from gossiping/chatting while the professor is lecturing, and other students are listening and taking notes.

Tentative Schedule—Math 95-06, spring 2023

Week	Lecture topics/textbook chapters
Jan 23- 27 (Week 1)	Course Introduction 5.1 Rules for exponents 5.2 Zero and Negative Exponents 8.2 Functions
Jan 30- Feb 3 (Week 2)	8.6 Factoring methods 8.7 Review of factoring methods 6.6 A factoring strategy
Feb 6-10 (Week 3)	Review EXAM 1 (Tuesday, Feb 7) 6.6 A factoring strategy 6.7 Solving quadratic equations by factoring
Feb 13-17 (Week 4)	9.1 Radical expressions and radical functions 9.2 Rational exponents 9.3 Simplifying and combining radical expressions
Feb 20-24 (Week 5)	Review EXAM 2 (Tuesday, Feb 21) 9.3 Simplifying and combining radical expressions 9.4 Multiplying and dividing radical expressions 9.5 Solving radical equations
Feb 27-Mar 3 (Week 6)	9.5 Solving radical equations 9.6 Geometric applications of radicals 10.1 The square root property and completing the square
Mar 6-10 (Week 7)	Review EXAM 3 (Tuesday, Mar 7) 10.1 The square root property and completing the square 10.2 The quadratic formula. 10.3 The discriminant
Mar 13-17 (Week 8)	10.3 The discriminant Review Final will cover Chapters 5,6,8,9,10. FINAL EXAM (Thursday, March 16) 5:00-7:00 p.m. (A202 SCI)