



Math 090: Intermediate Algebra Fall 2023 Course Syllabus

Course Instructors, CRNs, and Meeting Times:

Students will meet in person during the regularly scheduled class time and in the indicated classroom.

Course CRN	Class Time	Room	Instructor	Instructor Email
43323	MWF 8:00-8:50	AH 306	Daniel Ingebretson	dingeb2@uic.edu
43325	MWF 8:00-8:50	AH 307	Auden Hinz	audenmh2@uic.edu
43327	MWF 9:00-9:50	AH 307	Daniel Ingebretson	dingeb2@uic.edu
43332	MWF 9:00-9:50	AH 306	Vignesh Jagathese	vjagat2@uic.edu
48218	MWF 9:00-9:50	AH 311	William Adkisson	wadkis2@uic.edu
43324	MWF 10:00-10:50	TH 204	Daniel Ingebretson	dingeb2@uic.edu
43326	MWF 11:00-11:50	AH 307		
43330	MWF 11:00-11:50	AH 306	Daniel Ingebretson	dingeb2@uic.edu
48217	MWF 11:00-11:50	AH 302	Anthony Woldeit	woldeit1@uic.edu
43322	MWF 12:00-12:50	AH 306	Anthony Woldeit	woldeit1@uic.edu
43328	MWF 12:00-12:50	AH 307	Billy Jackson	bjjack06@uic.edu
43329	MWF 2:00-2:50	AH 306	Anthony Woldeit	woldeit1@uic.edu
43331	MWF 2:00-2:50	AH 307	Katherine Kruzan	kkruza3@uic.edu
43333	MWF 3:00-3:50	AH 306	Anthony Woldeit	woldeit1@uic.edu
43334	MWF 4:00-4:50	AH 306	Bryson Owens	bowens21@uic.edu
48984	MWF 4:00-4:50	ARC 240	Anthony Woldeit	woldeit1@uic.edu

*Office Hours will be posted on Blackboard under Instructor Information during the first two weeks of class

Course Prerequisites

To take Math 090, students should have completed Math 088, or are currently enrolled in Math 088, or received an appropriate score on the math placement test.

Course Description

Math 090 Topics: Linear Functions, Systems of Linear Equations, Inequalities, Exponents, Polynomials, Quadratic Functions, Rational Expressions.

Success in Math 090 will require several hours of studying and problem solving per week. Your active involvement in learning, both inside and outside the classroom, will be critical for overall success. We have designed our course with the aim of helping you stay actively engaged with the course material, while providing easy access to some of our best resources: your instructor, MSLC tutors, video notes and examples, Multi-Media Resources online and your classmates.

Course Materials

- There is no textbook required for this course and there is no software subscription required.
- Computer and Internet Access: Students will need access to a computer and the internet to complete the video note homework assignments and to submit the written homework. You may contact ACCC to request and borrow a laptop or be assigned a hotspot for the semester if you do not have the required hardware and internet capabilities.
- Recommended: A simple four-function calculator such as the TI-30 or below. You will be allowed to use the calculators during class and on quizzes and exams.

Course Instruction

Math 090 will be taught in person during your regularly scheduled class time and class location. In the event you must be absent from class, you may look at the video notes on Blackboard and view the in class practice answer keys on Blackboard to make up the instruction. As always, you can reach out to your instructor for extra help and to complete the required work. All course materials and all required work for Math 090 can be accessed and completed online from Blackboard.

Video Notes/Flipped Classroom

Video notes are the main way of delivering the content to students. Students are expected to watch the video notes through Blackboard (Panopto) and fill in the notes on their video note sheets. These notes will be checked by your instructor on the day they are due for 100% completion. It is imperative for success in a flipped classroom that you take the time to complete the video notes thoroughly and completely. Students will complete the video notes at home, and come to class prepared to complete a slight review of the notes, and then spend the majority of class time practicing the material with classmates. Video notes will constitute 15% of your semester grade.

Exams

Math 090 will have three exams throughout the semester, with the dates located on the course schedule at the end of this syllabus. The exams will be held in person during your regularly scheduled class time. These exams will constitute 65% of your semester grade. The lowest exam out of the three will count for 15% of your overall grade, and the two highest exams will each count for 25% of your overall grade.

Quizzes

Math 090 will have 5 quizzes throughout the semester, with the dates located on the course schedule. The quizzes will be held during your regularly scheduled class time. While these quizzes will be short, they are designed to highlight some of the important content found in each section. Quizzes will constitute 10% of your semester grade. The lowest quiz score will be dropped at the end of the semester. There will be NO extensions on the quizzes, and unexcused absences will result in a 0 for that quiz.

Homework

Homework will be completed on paper and submitted electronically through Blackboard. There will be 10 homework assignments throughout the semester, with the dates they are assigned and due posted on Blackboard. Students are expected to show all of their work for the assigned problems, and submit their work electronically through Gradescope. These assignments are graded for accuracy and showing all work, so do your best to demonstrate mastery of the content. The lowest homework score will be dropped at the end of the semester. Homework will count for 7% of your semester grade.

Attendance/In Class Practice

Because daily attendance is crucial to success, Math 090 will have an attendance grade. If you attend and actively participate in 27 or more of the scheduled 39 classes before final exam review week, you will receive 100% of the attendance grade. If you attend 26 or less of the scheduled 39 classes, you will receive 0% of the attendance grade. During class, we will spend a large amount of time reviewing and practicing the material through the in class practice packet. Students will work in groups to better their understanding of the material, and ensure they are on their way to mastering the content. The attendance/in class practice will count for 3% of your semester grade.

Semester Grading

• Attendance/In Class Practice	3%
• Homework worksheets	7%
• Quizzes	10%
• Video Notes	15%
• <u>Exams</u>	65%
• Total:	100%

Final Grades

Students with an overall grade at or above 80% after the third exam are exempt from the Final Exam. If a student needs to take the final exam, their final grade in the course will be determined by:

• Semester Grade	75%
• <u>Final Exam</u>	25%
• Total:	100%

Course Grades

• 70%-100%	S (Satisfactory)
• Below 70%	U (Unsatisfactory)

Academic Integrity Policy

UIC is an academic community committed to providing an environment in which research, learning, and scholarship can flourish and in which all endeavors are guided by academic and professional integrity. In this community, all members including faculty, administrators, staff, and students alike share the responsibility to uphold the highest standards of academic honesty and quality of academic work so that such a collegial and productive environment exists. As a student and member of the UIC community, you are expected to adhere to the Community Standards of integrity, accountability, and respect in all your academic endeavors. When accusations of academic dishonesty occur, the Office of the Dean of Students investigates and adjudicates suspected violations of this student code. Unacceptable behavior includes cheating, unauthorized collaboration, fabrication or falsification, plagiarism, multiple submissions without instructor permission, using unauthorized study aids, coercion regarding grading or evaluation of coursework, and facilitating academic misconduct. Please review the UIC Student Disciplinary Policy for additional information about the process by which instances of academic misconduct are handled towards the goal of developing responsible student behavior. By submitting your assignments for grading you acknowledge these terms, you declare that your work is solely your own, and you promise that, unless authorized by the instructor or proctor, you have not communicated with anyone in any way during an exam or other online assessment. Let us embrace what it means to be a UIC community member and together be committed to the values of integrity.

Academic Deadlines

Current academic calendar and the list of deadlines can be found at <http://catalog.uic.edu/ucats/academic-calendar/>

Disability Policy

UIC is committed to full inclusion and participation of people with disabilities in all aspects of university life. Students who face or anticipate disability-related barriers while at UIC should connect with the Disability Resource Center (DRC) at drc.uic.edu, drc@uic.edu, or at (312) 413-2183 to create a plan for reasonable accommodations. In order to receive accommodations, students must disclose disability to the DRC, complete an interactive registration process with the DRC, and provide their course instructor with a Letter of Accommodation (LOA). Course instructors in receipt of an LOA will work with the student and the DRC to implement approved accommodations.

Religious Holidays

Students who wish to observe their religious holidays shall notify the faculty member by the tenth day of the semester of the date when they will be absent unless the religious holiday is observed on or before the tenth day of the semester. In such cases, the student shall notify the faculty member at least five days in advance of the date when he/she will be absent. The faculty member shall make every reasonable effort to honor the request, not penalize the student for missing the class, and if an examination or project is due during the absence, give the student an exam or assignment equivalent to the one completed by those students in attendance. If the student feels aggrieved, he/she may request remedy through the campus grievance procedure.

Grievance Procedures

UIC is committed to the most fundamental principles of academic freedom, equality of opportunity, and human dignity involving students and employees. Freedom from discrimination is a foundation for all decision making at UIC. Students are encouraged to study the University's Nondiscrimination Statement. Students are also urged to read the document Public Formal Grievance Procedures. Information on these policies and procedures is available on the University web pages of the Office of Access and Equity.

Inclusive Learning Environment

UIC values diversity and inclusion. Regardless of age, disability, ethnicity, race, gender, gender identity, sexual orientation, socioeconomic status, geographic background, religion, political ideology, language, or culture, we expect all members of this class to contribute to a respectful, welcoming, and inclusive environment for every other member of our class. If there are aspects of the instruction or design of this course that result in barriers to your inclusion, engagement, accurate assessment, or achievement, please notify me as soon as possible.

Math and Science Learning Center

The Math and Science Learning Center, located in the Science and Engineering South Building (SES) at 845 W. Taylor St. 3rd Floor, Room 247, is a meeting place for students in Math, Biological Sciences, Chemistry, Earth and Environmental Sciences, and Physics. At the MSLC, students can meet with graduate teaching assistants for tutoring in 100-level courses, arrange informal group study sessions with other students, or meet up with friends to attend one of the workshops, seminars, or other activities sponsored by the SLC during the semester. Visit the website at <https://mslc.uic.edu/>, call 312- 355-4900, or email at mslc@uic.edu.

Academic Center for Excellence

The Academic Center for Excellence (ACE) can help if you feel you need more individualized instruction in reading and/or writing, study skills, time management, etc. Please call (312) 413-0031 or visit <https://ace.uic.edu/> for more information.

Counseling Center

Counseling Services are available for all UIC students. You may seek free and confidential services from the Counseling Center at www.counseling.uic.edu. The Counseling Center is located in the Student Services Building; you may contact them at (312) 996-3490 during normal business hours (M-F, 9 am -5 pm). If calling after hours, press 2 to be connected to a crisis counselor. In addition to offering counseling services, the Counseling Center also operates the InTouch Crisis Hotline from 6:00 p.m.-10:30 p.m. They offer support and referrals to callers, as well as telephone crisis interventions; please call (312) 996-5535.

Course Conduct

We are committed to creating a learning environment where diverse perspectives are recognized and valued as a source of strength. We request that all students work with us to create a class culture based on open communication, mutual respect, and inclusion. As a class, we will approach all discussions with respect and civility. Disagreements and debates in academic discourse are expected and welcome, but personal attacks are never OK, and will not be tolerated. We strive to ensure an open and welcoming classroom for all students. If we ever miss the mark, please don't hesitate to come and talk to us. We are all learning together.

Caregiver Responsibilities Policy

We have great respect for students who are balancing their pursuit of education with the responsibilities of caring for children or other family members. If you run into challenges that require you to miss a class, or if your caregiving responsibilities are interfering with your ability to engage in remote learning, please contact us or the TAs. There may be some instances of flexibility we can offer to support your learning.

Tips for Success in Math 090

- Ask questions during class
- Complete assignments on time
- Participate in class discussions
- Individually review your notes after class
- Attend office hours and/or night reviews to receive help with concepts or procedures that seemed confusing
- Utilize all course resources including: your instructor, MSLC tutors, Example videos (Panopto), Night reviews, Multi-Media Resources online and your classmates.

Disclaimer

This syllabus is intended to give the student guidance in what may be covered during the semester and will be followed as closely as possible. However, as the instructor, I reserve the right to modify, supplement and make changes as the course needs arise.

Please see the next page for the intended course schedule.

Math 090 Fall 2023 Intended Course Schedule

Wk	Day and Date	Class Topics	Homework Assigned
1	Mon, Aug 21	Course Introduction, Syllabus, Acadly, Gradescope Obj 1: Combining Like Terms	GS Demo assignment Obj. 2 Video: Due Wed, Aug 23
	Wed, Aug 23	Obj 2: Solving Linear Equations	None
	Fri, Aug 25	Obj 2: Solving Linear Equations	HW #1: Due Fri, Sept 1 Obj. 3 Video: Due Mon, Aug 28 Obj. 4 Video: Due Mon, Aug 28
2	Mon, Aug 28	Obj 3: x and y intercepts Obj 4: Slope	Obj. 5 Video: Due Wed, Aug 30
	Wed, Aug 30	Obj 5: Graphing Lines	Study for Quiz 1
	Fri, Sept 1	Quiz 1: Objectives 1-5	HW #2: Due Fri, Sept 8 Obj. 6 Video: Due Wed, Sept 6
3	Mon, Sept 4	NO CLASS!!! HAPPY LABOR DAY!!!	
	Wed, Sept 6	Obj 6: Writing Equations of Lines	Obj. 7 Video: Due Fri, Sept 8
	Fri, Sept 8	Obj 7: Function and Function Notation	HW #3: Due Fri, Sept 15 Obj. 8 Video: Due Mon, Sept 11 Obj. 9 Video: Due Mon, Sept 11
4	Mon, Sept 11	Obj. 8: Systems of Linear Equations Obj. 9: Solving Systems by Graphing	Obj. 10 Video: Due Wed, Sept 13
	Wed, Sept 13	Obj 10: Solving Systems by Substitution	Study for Quiz 2
	Fri, Sept 15	Quiz 2: Objectives 6-10	HW #4: Due Fri, Sept 22 Obj. 11 Video: Due Mon, Sept 18
5	Mon, Sept 18	Obj. 11: Solving Systems by Elimination	Obj. 12 Video: Due Wed, Sept 20
	Wed, Sept 20	Obj. 12: Solving Linear Inequalities	Study for Exam 1
	Fri, Sept 22	Exam 1 Review	Study for Exam 1
6	Mon, Sept 25	Exam 1: Objectives 1-12	Obj. 13 Video: Due Wed, Sept 27
	Wed, Sept 27	Obj. 13: Rules of Exponents	Obj. 14 Video: Due Fri, Sept 29 Obj. 15 Video: Due Fri, Sept 29
	Fri, Sept 29	Obj. 14: Combining Functions Obj. 15: Composition of Functions	HW #5: Due Fri, Oct 6 Obj. 16 Video: Due Mon, Oct 2 Obj. 17: Due Mon, Oct 2
7	Mon, Oct 2	Obj. 16: Factoring a GCF Obj. 17: Factoring by Grouping	Obj. 18 Video: Due, Wed, Oct 4
	Wed, Oct 4	Obj. 18: Factoring Quadratics	Obj. 19 Video: Due Fri, Oct 6 Obj. 20 Video: Due Fri, Oct 6
	Fri, Oct 6	Obj. 19: Factoring Difference of Squares Obj. 20: Factoring Sum/Diff of Cubes	HW #6: Due Fri, Oct 13 Study for Quiz 3
8	Mon, Oct 9	Quiz 3: Objectives 13-20	Obj. 21 Video: Due Wed, Oct 11 Obj. 22 Video: Due Wed, Oct 11
	Wed, Oct 11	Obj. 21: Quadratic Functions Obj. 22: Graphing Quadratics	Obj. 23 Video: Due Fri, Oct 13
	Fri, Oct 13	Obj. 23: Writing Equations of Quadratic Graphs	HW #7: Due Fri, Oct 20 Obj. 24 Video: Due, Mon, Oct 16

9	Mon, Oct 16	Obj. 24: Solving Quadratic Equations by Square Roots	Obj. 25 Video: Due, Wed, Oct 18
	Wed, Oct 18	Obj. 25: Solving Quadratic Equations by Factoring	Obj. 26 Video: Due Fri, Oct 20
	Fri, Oct 20	Obj. 26: Solving Quadratic Equations by Using the Quadratic Formula	HW #8: Due Fri, Oct 27 Study for Quiz 4
10	Mon, Oct 23	Quiz 4: Objectives 21-26	Study for Exam 2
	Wed, Oct 25	Exam 2 Review	Study for Exam 2
	Fri, Oct 27	Exam 2 Review	Study for Exam 2
11	Mon, Oct 30	Exam 2: Objectives 13-26	Obj. 27 Video: Due Wed, Nov 2
	Wed, Nov 2	Obj. 27: Direct and Inverse Variation	Obj. 28 Video: Due Fri, Nov 4
	Fri, Nov 4	Obj. 28: Simplifying Rational Expressions	HW #9: Due Fri, Nov 11 Obj. 29 Video: Due Mon, Nov 7 Obj. 30 Video: Due Mon Nov 7
12	Mon, Nov 7	Obj. 29: Multiplying Rational Expressions Obj. 30: Dividing Rational Expressions	Obj. 31 Video: Due Wed, Nov 9 Obj. 32 Video: Due Wed, Nov 9
	Wed, Nov 9	Obj. 31: Adding Rational Expressions Obj. 32: Subtracting Rational Expressions	Study for Quiz 5
	Fri, Nov 11	Quiz 5: Objectives 27-32	HW #10: Due Fri, Nov 18 Obj 33 Video: Due, Mon Nov 14
13	Mon, Nov 14	Obj. 33: Domain and Range	Study for Exam 3
	Wed, Nov 16	Exam 3 Review	Study for Exam 3
	Fri, Nov 18	Exam 3 Review	Study for Exam 3
14	Mon, Nov 21	Exam 3: Objectives 27-33	None
	Wed, Nov 23	NO CLASS!!! HAPPY THANKSGIVING!!!	
	Fri, Nov 25	NO CLASS!!! HAPPY THANKSGIVING!!!	
15	Mon, Nov 28	Unit 1 Review: Objectives 1-12	Study for Final Exam
	Wed, Nov. 30	Unit 2 Review: Objectives 13-26	Study for Final Exam
	Fri, Dec. 2	Unit 3 Review: Objectives 27-33	Study for Final Exam

Math 090 Fall 2023 Final Exam
Wednesday December 7 6:00-8:00 PM
Location: To Be Determined