

Math 099 Essentials of Numeracy & Algebra Fall 2025

Instructor: Terra Stamps Prairie State College

Prerequisite: Qualifying score on the Math placement test (placement into Math 099/112)

Corequisite: Students must also be enrolled in Math 112-LNK. To succeed in Math 112, it is essential that you participate and master the concepts in Math 099. You cannot pass 112 without passing Math 099.

Class Meetings: Mon 11:30am-12:20pm Room 4275

Course Type: face to face

In Person Office Hours: Mon 12:30-2, Wed 11:30-1, Tues & Thurs 11:30am-12:30pm, and by appointment

Virtual Office Hours: by appointment only [via google meet](#)

Email: tstamps@prairiestate.edu

Website: www.terrastamps.com

Credit Hours: 1

Office: Room 2301

Office Phone: 708-709-3608

Course Description: This co-requisite course will provide appropriately paced skill and concept development to support students toward success in their general education math/statistics course, replacing the need for other pre-requisite developmental math courses in the traditional sequence, for students only needing a single college-level math course to meet their general education degree requirements. Students will focus on algebra concepts, number sense, and other skills essential to their course. Requires concurrent registration in an appropriately designated section of Math 112.

College-wide General Education Learning Outcomes: Prairie State College's general education outcomes encapsulate the core knowledge and skills that we believe equip students to develop personally, as critical thinkers, and as global citizens. The specific general education learning outcome for this course is:

Problem Solving: Students will locate and identify information, determine what problem exists, develop solutions, evaluate results, and extend results to new situations.

MATH 099 Learning Objectives: Upon successful completion of this course, students will:

1. Demonstrate good study skills and learning strategies
2. Use technology effectively in an educational setting
3. Demonstrate strong number sense beyond just computing an answer
4. Use effective problem solving skills, including determining whether an answer is reasonable within a given context
5. Explain the consequences of phrases such as "some", "all", "at least", "and", and "or" when applied to logic and/or probability
6. Interpret charts and graphs, including using technology
7. Use algebra to simplify expressions and solve equations and inequalities

Grading Scale: 90%-100% A 80%-89% B 70%-79% C 60%-69% D 0%-59% F

Grading (All grades will be updated weekly in your D2L gradebook):

- 10 In-Class Assignments (ICA) worth 10 points each for a total of 100 points (77% of your grade)
- 1 comprehensive final exam worth 30 points (23% of your grade)

➤ Total number of points possible is 130 points.

Class Meetings: Each day we will discuss any questions or concerns you have regarding the Math 112 material. The content will be like Math 112 with a focus on topics that might need extra attention and/or remediation. If you do not have questions, then I will address any topics I think may cause confusion. Most class meetings will have an In-Class Assignment (ICA) to complete. I do not take attendance; I trust you understand that regular class attendance is an essential component of successful learning. You are expected to come to every class meeting on time and prepared for class. I do not assign a penalty for excessive absences. I will post the ICA and notes from class in a weekly D2L announcement and on my personal website www.terrastamps.com.

In-Class Assignments (ICA): There will be 10 ICA (In-Class Assignments) worth 10 points each. They are due in their D2L assignment folder on or before the Saturday of the week they are assigned by 11:59pm. You can also turn an ICA in to me before leaving class each Monday. When scanning, I suggest using the free tiny scanner or camscanner app on your phone.

Final Exam: You will have a final exam worth 30 points at the end of the semester. The final exam will contain material covered throughout the semester. Your final exam will be available to take in D2L from 12am on Sunday Dec 7th until 11:59pm on Wednesday Dec 10th.

Academic Honesty: In a math class, it is extremely important that the work you present to your instructor is genuinely something that you have produced. Relying heavily on other people and/or technology can create a false sense of achievement that ultimately leads to failure on quizzes and tests when those resources are no longer available. Part of my role as instructor is to communicate to you in what situations the use of technology, such as calculator, website or app, is acceptable, and when it is not. In general, the use of any technology that allows students to simply type in a problem and have the entire problem solved for them is prohibited.

Any student suspected of academic misconduct will meet with me, another math faculty member, and/or the Dean of Math & Sciences. The student will be asked to explain their work and rework a similar problem. If the student is unable to complete both tasks, a grade of 0 will be awarded on the assignment and a violation form will be completed and placed in the student's file. After 3 academic misconduct violations the student will face disciplinary actions that may include expulsion.

Accommodations: Your success is important to us. Prairie State College seeks to maintain academic standards while providing equal access and support services to students who can benefit from college-level work, have the commitment to succeed, and have a documented disability. Students with disabilities, who need accommodations, can learn more by contacting Shelley Tekeste, Access & Disability Coordinator at (708) 709-3755 or email disabilityservices@prairiestate.edu. Lastly, if you require special accommodations for the observance of a religious holiday, please notify me during the first week of the semester.

Miscellaneous: The last day to drop with a grade of W is November 10, 2025. If you need help, please contact me or see one of the **free tutors** available through our Student Success Center (SSC).

Math 099 Class Schedule

Week	Date	Topics Covered	ICA
1	8/18	Introduction to the course	
2	8/25	Set Operations and Subsets	ICA 1 on 2.1 & 2.2
3	9/1	No class- Labor Day	
4	9/8	Venn Diagrams	ICA 2 on 2.3 & 2.4
5	9/15	Truth Tables	ICA 3 on 3.1 & 3.2
6	9/22	More Truth Tables and Arguments	ICA 4 on 3.3 & 3.4
7	9/29	Review for Test 1	
8	10/6	Simple and Compound Interest	ICA 5 on 7.3 & 7.4
9	10/13	Annuities and TVM Solver	ICA 6 on 7.5 & 7.6
10	10/20	Review for Test 2	
11	10/27	Probability and Fundamental Counting Princ	ICA 7 on 10.1 & 10.2
12	11/3	Permutations and Combinations and Trees	ICA 8 on 10.3 & 10.4
13	11/10	Prob using Perm and Comb and Odds	ICA 9 on 10.5 & 10.6
14	11/17	Addition and Mult Principle in Probability	ICA 10 on 10.7 & 10.8
15	11/24	Review for Test 3	
16	12/1	Review for Final Exam	

Your final exam will be available in D2L from Sunday Dec 7th at 12:01am until Wednesday Dec 10th at 11:59pm. To prepare for the final exam, you should rework all 10 of your In-Class Assignments (ICA).