



THE NEBRASKA MATH READINESS PROJECT

PERSISTENCE, RETENTION, COMPLETION, SUCCESS



Syllabus: Course Introduction

Title: Nebraska Math Readiness Project Modular Math

Class Begins:

Class Ends:

MyLabsPlus Address: <http://mccneb.mylabsplus.com>

Instructor Name:

Instructor Email:

MyLabsPlus Tech Support: 1-888-883-1299

To locate email support and frequently asked questions, click on Help & Support in the bottom right hand corner of the course homepage.



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Syllabus: Course Descriptions and Course Prerequisites

Level I: This course presents basic computational skills for either review or initial mastery by the students. Topics include fractions, decimals, the solutions of ratio, proportion, and percent problems, operations with integers, and basic study skills for mathematics problem-solving and estimation. Topics may also include geometry, measurement, and basic algebraic concepts.

Level II: This course is for students who need to learn basic and intermediate algebra skills. Topics include positive and negative real numbers, solving linear equations and inequalities, applications of linear equations, integer exponents, operations with polynomials, factoring, rational expressions, equations of lines, and graphing of equations and inequalities. .

Student Criteria: Math ACT Score of 13-16 and intention to pursue post-secondary education.



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Syllabus: Course Objectives

Level I:

1. Perform all operations of mathematics using fractions.
2. Perform all operations of mathematics using decimals.
3. Solve problems that involve ratio and proportion.
4. Understand percent notation and its relationship to decimals and fractions, and solve percent equations and their common applications.
5. Perform operations with integers.

Level II:

1. Add, subtract, multiply and divide positive and negative real numbers.
2. Solve linear equations and linear inequalities.
3. Solve application problems requiring linear equations with one variable.
4. Perform operations using integer exponents.
5. Add, subtract, multiply and divide polynomials.
6. Factor polynomials and solve quadratic equations by factoring.
7. Reduce, multiply and divide rational expressions.
8. Graph linear equations and write equations of lines.



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Syllabus: Course Structure and Required Materials

The daily class period will consist of students working on their individual study plan to complete the course in one year (for traditional schedule) or one semester (for block schedule). Students have the option of finishing early or progressing faster to complete additional levels within the course.

Required Materials:

- Students need to have strong computer skills.
- Online Textbook: An eBook for this course will be provided to students free of charge.
- Notebook: Students are required to maintain a notebook of their written work for all homework assignments, quizzes, pretests, exams, and assessments.
- Ear buds: Students will need to obtain ear buds for use in the classroom to listen to instructional videos.
- Calculators are only allowed in Module 6 of Level I. Calculators are not allowed in any other modules in Level I or Level II.



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System Requirements

Version	Operating Systems	Permitted Browsers
Windows	Windows 10	Internet Explorer 11 Edge Firefox 46.0 to latest Chrome 49.0 to latest
	Windows 8.1	Internet Explorer 11 Firefox 46.0 to latest Chrome 49.0 to latest
	Windows 8	Internet Explorer 11 Firefox 46.0 to latest Chrome 49.0 to latest
	Windows 7	Internet Explorer 11 Firefox 46.0 to latest Chrome 49.0 to latest
Mac	Mac OS 10.12 Sierra	Safari 10 Firefox 46.0 to latest Chrome 49.0 to latest
	Mac OS 10.11 El Capitan	Safari 9 Safari 10 Firefox 46.0 to latest Chrome 49.0 to latest
	Mac OS 10.10 Yosemite	Safari 9 Safari 10 Firefox 46.0 to latest Chrome 49.0 to latest
	Mac OS 10.9 Mavericks	Safari 9 Firefox 46.0 to latest Chrome 49.0 to latest
Mobile	iPad iOS 8 to iOS 10	Safari Chrome
	Android 4 to Android 7	Chrome

Syllabus:

Computer Requirements and Assessment of Student Work

Assessment of Student Work:

Students will work in MyLabsPlus and progress through the modules as material is mastered. Each level is divided into modules that serve as a collection of related math items. Each module is further divided into sections that highlight specific topics within math.

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Syllabus: Assessment of Student Work

Pretest: A pretest will be given at the beginning of each module. There is only one attempt at each pretest. A score of at least 80% on a pretest will allow a student to move to the next module. If an 80% is not achieved, the student will proceed to the quiz, the interactive reading assignment, and the homework. The problems in the homework will be based on the questions not answered correctly in the pretest. Pretests have a 90-minute time limit. A student can exit a pretest and finish it later.

Quizzes: Each section within a module starts with an optional quiz. There is only one attempt at each quiz. A score of at least 80% on a quiz will allow a student to move to the next section in the module. If an 80% is not achieved, the student will proceed to the section's interactive reading assignment. As stated earlier, a student can skip the quiz and start the interactive reading assignment if desired. Quizzes have a 45-minute time limit. A student cannot exit a quiz and finish it later.



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Syllabus: Assessment of Student Work

Interactive Reading Assignments: Each section within a module has an interactive reading assignment. The reading assignment is required unless the module pretest or quiz had a score of at least 80%. Each reading assignment provides definitions and guided practice to help students learn the section material. As a student progresses through the reading assignment, practice problems will need to be completed. A score of at least 70% on the reading assignment is required to start the homework (unless the quiz was at least 80%). The reading assignments have no time limit. A student can exit a reading assignment and finish it later.

Homework: Each section within a module has a homework assignment. The homework in each section is required after the reading assignment is completed unless the module pretest or quiz had a score of at least 80%. Each question has a Question Help button giving different tutorials to help the student. When a question is completed (either correct or incorrect), the Similar Question button can be clicked to provide a new problem for practice. A score of at least 80% on the homework is required to start the next section (unless the quiz was at least 80%). Homework does not have a time limit. A student can exit homework and finish it later. Click Save when you have completed the assignment or need to stop.



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Syllabus: Assessment of Student Work

Exams: Each module has an individually administered exam. They are to be closed book exams given within the classroom. Prior to taking an exams, students may take a sample exam to review. A score of at least 80% on an exam is required to start the next module (unless the pretest was at least 80%). If an 80% is not achieved, the student will proceed to the exam's Review For 2nd Attempt homework assignment. The questions in the review assignment are based on the results of the exam. A score of at least 80% on the review assignment is required before getting a second attempt at the exam. If an 80% is not achieved on the second attempt of the exam, the student will have a conference with the instructor to discuss the errors made on the exam before receiving additional attempts. This process continues until the student scores at least 80% on the exam. All exams have a 90-minute time limit. A student can exit an exam and finish it later.



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Syllabus: Assessment of Student Work and Expectations of Students

Comprehensive Assessments: Each level has an individually administered comprehensive assessment. They are to be closed book assessments within the classroom. After the students complete all of modules in a level, they are able to take the assessment. All assessments have a 45-minute time limit. A student can exit an assessment and finish it later.

Attendance: Students are expected to attend class each day so they are able to make progress within the course.

Classroom Behavior: The student will

1. Take notes on the videos and read the eBook material.
2. Participate in class discussions and ask questions.
3. Keep up with the schedule in order to complete the course. This will require working outside of class where computers and internet access is available.
4. Be respectful of other students and the instructor.



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Syllabus: Expectations of Students

When Help is Needed: The student will

1. Contact the instructor as soon as there is a problem.
2. Use the materials in the Multimedia Library in MyLabsPlus.
3. Work with classmates, friends, tutors, study groups, or instructors. Use all available resources.