

**Math 090/094/098
Math Redesign Project
2011 SP Syllabus**

Course Description

The Math Redesign Project courses consist of Math 090 (College Arithmetic), Math 094 (Elementary Algebra), and Math 098 (Intermediate Algebra). These courses provide personalized instruction in a lab setting. Instructors do not lecture. Students master content before continuing on to new material.

Customized MyMathLab software is used to provide videos, homework assignments, quizzes, and tests. Instructor-led workshops are available for additional assistance on difficult topics. With the guidance of their instructors, students can progress through this course more quickly or more slowly based on their need. During the current semester, students may continue into the next developmental math course without additional cost.

Instructor Role

Instructors act as teachers, mentors, and coaches. Instructors answer student questions, guide each student's progress through the course, conduct workshops on difficult topics, review student notes, and grade student tests/attendance. Instructors do not lecture.

Student Role

Students are expected to attend class, watch videos, take video/homework notes, and complete homework/quizzes/tests in the MyMathLab software. Students may attend other class sessions (or flex time) for additional study, to make up missed class sessions, or attend instructor-led study groups. The student should expect to spend two hours outside of class doing related assignments for each credit hour in class.

Math 090/094/098 Credit Hours

Math 090	College Arithmetic	3 credit hours
Math 094	Elementary Algebra	5 credit hours
Math 098	Intermediate Algebra	4 credit hours

Math 090/094/098 Prerequisites

Satisfactory placement test score or grade of C or better in the prerequisite math course

Module/Topical Outline

The Math Redesign Project courses contain all the material contained in Math 090, Math 094, and Math 098. This material has been separated into the following modules.

Course	Modules	Topics
Math 090	1	Whole Numbers and Fractions
	2	Decimals, Percent, and Interest
	3	Ratio and Proportion
	4	Geometry
	5	Signed Numbers
Math 094	6	Real Numbers and Algebraic Expressions
	7	One Variable Equations and Inequalities
	8	Graphing and Equations of Lines
	9	Systems of Linear Equations and Inequalities (2x2)
	10	Exponents and Polynomials
	11	Factoring Polynomials
Math 098	12	Factoring Overview and Systems of Equations (3x3)
	13	Rational Expressions and Equations
	14	Graphs, Relations, and Functions
	15	Radicals and Rational Exponents
	16	Quadratic Equations and Functions
	17	Composite, Inverse, Exponential, and Log Functions

To pass a Math Redesign Course, a student must complete all the associated modules.

Required MyMathLab Access Code/Workbook

MyMathLab is a required component for these courses. As long as you enroll in the Math Redesign courses, you will need to purchase the MyMathLab software ONLY ONCE. The Math 094/Math 098 software can be purchased at the JJC bookstore or online at MyPearsonStore: <http://www.mypearsonstore.com/index.asp> The Math 090 materials can only be purchased at the JJC bookstore.

In the Math 090 course only, there is a workbook component to the course. The Math 090 MyMathLab software will be bundled with the workbook.

Enrolled in Math 090 **ISBN: 0558920802** **(MyMathLab access kit and workbook)**

Enrolled in Math 094 **ISBN: 0321757378** **(MyMathLab access kit)**

Enrolled in Math 098 **ISBN: 0321757378** **(MyMathLab access kit)**

Other Required Materials: spiral notebook or binder with loose-leaf paper, folder, scientific calculator, headphones or ear buds

Modules and Course Completion

Each module a student completes is recorded in the course. After a student completes all the modules for a particular course, the student is credited with completing that course. If this is the first Math Redesign course he completes in a semester, the student will receive a grade for completing this course. If this is the second of two Math Redesign courses the student completes in a semester, the student's records will reflect that he has met the course requirements but no grade will be given.

How this course works

You will work through one module at a time. Once a module is completed, you will begin the next module. Begin each module by logging into MyMathLab (www.mymathlab.com) using your log-in name and password. The course is made up of the following components

- **Video**
- **Homework** (mastery level - 90%)
- **Quizzes** (mastery level – 80%)
- **Tests** (mastery level – 70%)
- **Notebook Problems** (Modules One – Five only)
- **Cumulative Exam Problems** (Modules Five, Eleven, and Seventeen)
- **Scheduled Workshops** (optional attendance, based on student need)

When working in a module, you will be required to have 90% correct on each section assignment before going to the next one. Quizzes will require 80% mastery before moving to the next component. You will get credited with module completion when you complete the module exam at 70% or higher.

Schedule

It is important that you stay on track to complete your required modules before the end of the semester. Your instructor will provide a written schedule with recommended deadlines on the first day of class. Also, your instructor will guide your studies throughout the course both face-to-face and via e-mail.

Student Resources

- Math Redesign Instructors – available during class and flex time
- Flex time – additional open lab hours where students can do additional work or make up missed class time
- Instructor-led study groups
- MyMathLab Videos
- MyMath Lab Multimedia textbook (workbook in Math 090)
- MyMathLab learning tools (Help me Solve this, Show an Example, Videos, Media)

Exams

The examination for each Module will be taken in the computer lab. There are multiple versions of each of the module tests. You can take the test up to two times without instructor intervention. However, if you do not pass the module exam with a 70% or better on the first attempt, it is highly recommended the student consult with his instructor before taking the exam again. The instructor will work with the student to determine what areas to review to ensure successful completion on the second attempt.

Testing Requirements

- Students must have a photo id.
- Contact the instructor or test proctor to gain access to the module exam.
- No notes may be used on any exam.
- Calculators are allowed on part of the Module 2 exam and in Modules 3, 4, 7-17.
- You must allow one hour for any in-class exam.
- You must complete the entire exam in one sitting.
- You may only start a test when all the prerequisite video, homework, and quizzes have been completed.
- Show all your work in your blue book. In case of computer error, these blue books will be the record of your test answers and supporting work. If you do not pass the exam with a 70% or better, your instructor will use these blue books to guide your review for the make-up test.
- If you have missed more than one hour of class time, you will not be allowed to take a module exam until it is made up.

Grading

Grading is based on two components: tests and attendance. You will pass the course only if you complete all the modules for your given course. If you have completed all the modules for the registered course (Math 090, Math 094, or Math 098), your course grade is calculated as follows:

Average of the Module Exams	90%
Attendance	10%

If you have not completed all the modules for the course you registered for, you will not pass the course. You can register again in the same Math Redesign Course in 2011FL and finish the remaining modules. At that time, your grade will be calculated as given above.

Grading Scale

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 - 69%	D
50 – 59%	F

Course Policy

1. Attendance is an integral component of this course. Attendance is reflected in the final grade. Module tests can only be taken after meeting minimum attendance standards.

- Attendance will be taken daily. If you are unable to attend a class session, please contact the instructor. **Instructor initiated withdrawal may occur for 3 or more absences.** (Absence records are shared with the Financial Aid office on their request.)
- **If you have missed more than one hour of class, you will need to make up the time before you can take a module exam.** Students may use other Math Redesign class sessions and/or flex time to make up missed class time.

2. Video notes are required. When watching a video, take notes. These notes should include any problems worked in the video as well as definitions and concepts. (Instructors will ask to see your notebook before answering in-class questions.) Each video notebook entry should include the following heading: Date, Section, and Video Topic.

3. The use of MyMathLab is required for homework completion. Students are expected to show all written work in their notebooks. Each homework assignment should have the following heading: Date and Section. All problems should be numbered. (Instructors will ask to see your notebooks before answering questions.)

4. Instructor-led study groups will be formed to handle more difficult topics. These study groups will be announced via e-mail and in-class flyers. If you would like a study group to be formed on a particular topic, contact one of the Math Redesign instructors. These groups will be formed based on student need and will occur during flex time. (Evening courses may form a group during a class session.)

5. Students with a documented disability (including a learning disability) who require testing accommodations should identify themselves during the first week of class. Please make an appointment with the instructor or contact the instructor privately before or after class so your special needs can be discussed. If you need academic support, please contact Student Accommodations and Resources (StAR), Main Campus, J2025, 815-280-2230.

6. Familiarize yourself with the *JJC Code of Conduct* (<http://www.jjc.edu/academics/academic-behavior-standards/Pages/code-of-conduct.aspx>). As a JJC student you are held responsible for knowing and following the Code.

7. Computer usage is limited to MyMathLab access in the lab during class and flex time. Computer usage rules will be distributed on the first day of class and posted on your MyMathLab site. Violation of computer usage rules could result in loss of lab time or dismissal from class.

8. Cheating in any form will not be tolerated. Cheating will immediately result in a zero on the given test. Any repeat cheating offense will result in your being dropped or receiving an F in the course.

9. Silence all cell phones during class/flex time. Text messaging is not allowed any time during the class session/flex time. When it is essential to be available to contact someone, talk to the instructor to discuss options.

Assistance

1. Please feel free to ask questions in class, during flex time, in other Math Redesign courses, through the Ask Your Instructor MyMathLab link, and via e-mail. This course is designed to help you succeed and we look forward to your questions.

2. Meet your classmates and form study groups! Exchange contact information with at least one other person in class. Research has shown that students that communicate regularly with classmates and work together perform better.

3. If you need additional help, flex time is available. Flex time is open lab time where Math Redesign instructors are available to answer questions. Instructor-led study groups will be scheduled during flex time to handle more challenging topics. If you would like a study group to be formed on a particular topic, contact one of the Math Redesign instructors. The flex time schedule will be posted in the labs and on the MyMathLab site.

4. Additional tutoring and support services are available. Check out this link for the wide variety of JJC options. <http://www.jjc.edu/services-for-students/Pages/tutoring.aspx>