Math 1011Q – Fall 2023
University Of Connecticut – Hartford

Instructor: Samia Elsafty
E-mail : samia.elsafty@uconn.edu

Course Information:
Math 1011Q- Time: MWF 1:25- 2:35 PM
Office Hours Time: MWF 2:45- 3:45 PM

This course is in person Room HTB 214

Textbook: Elayn Martin-Gay's ***8th*** edition of *Intermediate Algebra*.
Access Code My Lab
Students are required to purchase MyLab Access Code Through Husky CT
There is a full direction on the course navigation bar on How to register and purchase Mylab Code
NOTE: NO Course Code is required if you access from Husky CT

General Information

1. Emphasizes two components necessary for success in 1000-level courses which employ mathematics. The first component consists of basic algebraic notions and their manipulations. The second component consists of the practice of solving multi-step problems from other disciplines, called mathematical modeling. The topics include: lines, systems of equations, polynomials, rational expressions, exponential and logarithmic functions. Students will engage in group projects in mathematical modeling. Strongly recommended as preparation for Q courses for students whose high school algebra needs reinforcement.

2. Prerequisites: None. Not open for credit to students who have passed MATH 1010, or any Q course. Strongly recommended as preparation for Q courses for students whose high school algebra needs reinforcement.

3. Credits and contact time: Three credits, usually meeting with the instructor for 3 × 70 minutes each week.

Who should take Math 1011Q?

All students whose high school algebra needs reinforcement. In particular, students who did not take a course in Intermediate Algebra prior to enrollment at UConn or had taken such a course and obtained a grade of C or lower or had not taken a course in mathematics for a number of years, are strongly advised to take Math 1011Q, before attempting to enroll in any other Q Course. It is a small investment of your time, that earns you 3 Q credits which count towards graduation and repays you with a successful completion of your other Q courses at UConn.

Homework on Mylab:

There will be homework assignments for each section of the text on Mylab:
Homework: To access the homework you will have to go through Husky CT. In your account, you will find a link to do your homework using Mylab. There will be homework assignments for each section of the text. Each assignment will be made available on Mylab. **You will get five attempts for each question that is not multiple choice and fewer than five attempts for each multiple-choice question; the exact number of attempts will depend on the number of choices.** After each attempt, you will be told whether your answer is correct or not. If you are not able to get the correct answer after your initial attempts, we recommend that you seek help from your instructor in class or during office hour, or reach out to the Q center for help before attempting to answer the problem again.

Warning: When accessing your online homework, use **Firefox or Chrome as your browser**; there are problems that can occur if you use Internet Explorer or Safari.

Exams information

In- Person Exams
There will be Four Chapter exams and one final all taken **In- Person**. The exams will cover materials of the preceding chapter (S), and one cumulative final exam. All exams will take place on the date mentioned in the outline. In case there is a change, I will announce the dates of the exam in class. Each of the four in-class exams will count as 10% of the final grade. The final exam will count as 20% of the final grade.

Online Exams:

There are 5 online (Mylab) exams, and they will be open during the weekend of the same week when the in-person exam is due. Please check the schedule for each exam. Those exams will count as 15% of the total grade (3% each).

Extra practice problems: (Extra credit optional)
There are some extra practice problems on Mylab under (extra) which count as 3% of extra credit.

Access to all the material for this course is through HuskyCT.

Grading

Task	Location	Dates	Scale %
Homework	MyMathLab	Outline	13%
Quizzes	MyMathLab	Outline	12
Exam 1	Part-In-person	9/15	10%
Exam 2	Part-In-person	10/6	10%
Exam 3	Part-In-person	10/27	10%
Exam 4	Part-In-person	11/10	10%
Exam 1-5	Online	outline	15%
Final	In-Person	12/09 *	20%
Extra Homework	Extra Practice MyMathLab		3 % (Extra)
Total			100% + 3% extra

Makeup Policy: In general, you will not be allowed to make up any exam, homework, or worksheet. In circumstances where you have a medical, family, or personal emergency which prevents you from submitting your work on time, a proof in the form of doctor's note excusing you from work (because of medical emergency), or an email from your parent (about family/personal emergency) will need to be provided. If you are an athlete who will miss class time, quizzes, homework, worksheets, or exams, you will need to ask your athletic advisor to send an email to your instructor stating the circumstances for the absence.

Zero Tolerance Policy

If a student is caught cheating on any of the assessment components whether it is a single homework, quizzes, or exams regardless of the weight of the assessment towards the final grade, the student shall receive an **F** for the entire course and will be reported to the community standards office. **No exceptions.**

Academic Integrity/Misconduct.

1. Academic misconduct is dishonest or unethical academic behavior that includes, but is not limited to, misrepresenting mastery in an academic area (e.g., cheating), intentionally or knowingly failing to properly credit information, research or ideas to their rightful originators or representing such information, research or ideas as your own (e.g., plagiarism). [Student Code of Conduct, Appendix A]
2. Instructors shall take reasonable steps to prevent academic misconduct in their courses and to inform students of course-specific requirements. [Student Code of Conduct, Appendix A, Section A. Instructors Role]

3. The definition of academic misconduct and how to report an incident can be found in the Academic Misconduct FAQ on the Community Standards website.
4. Please review the entire website on Academic Integrity by clicking here.

How to study for this course

1. Attend class, engage in the class discussion and ask questions.
2. Read the explanations and examples in the textbook.
3. Do online homework, quizzes, in class handouts worksheets.
4. Use the instructor's office hours to seek help if you need extra help.
5. Reach out to the Q center for tutoring.
6. Form study group with your classmates.

Grading Scale

Excellent	A	4.0	91 - 100
	A-	3.7	89 - 90
Very Good	B+	3.3	87 - 88
Good	B	3.0	81 - 86
	B-	2.7	79 - 80
	C+	2.3	77 - 78
Average	C	2.0	71 - 76
Fair	C-	1.7	69 - 70
Poor	D+	1.3	67 - 68
	D	1.0	61 - 66
Merely Passing	D-	0.7	59 - 60
Failure	F	0	under 59

Student Responsibilities and Resources
As a member of the University of Connecticut student community, you are held to certain standards and academic policies. In addition, there are numerous resources available to help you succeed in your academic work. Review these important standards, policies and resources, which include:

- The Student Code
  - Academic Integrity
  - Resources on Avoiding Cheating and Plagiarism
- Copyrighted Materials

- Netiquette and Communication
- Adding or Dropping a Course
- Academic Calendar
- Policy Against Discrimination, Harassment and Inappropriate Romantic Relationships
- Sexual Assault Reporting Policy

Students with Disabilities
The University of Connecticut is committed to protecting the rights of individuals with disabilities and assuring that the learning environment is accessible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please let me know immediately so that we can discuss options. Students who require accommodations should contact the Center for Students with Disabilities, Wilbur Cross Building Room 204, (860) 486-2020 or http://csd.uconn.edu/.

University Policy

Academic Integrity
A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgement of the research and ideas of others. Misrepresenting someone else's work as one's own is a serious offense in any academic setting and it will not be condoned.
Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, and examinations); any attempt to influence improperly (e.g. bribery, threats) any member of the faculty, staff, or administration of the University in any matter pertaining to academics or research; presenting, as one's own, the ideas or words of another for academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated; and presenting the same or substantially the same papers
or projects in two or more courses without the explicit permission of the instructors involved. A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation.

Policy Against Discrimination, Harassment and Related Interpersonal Violence
The University is committed to maintaining an environment free of discrimination or discriminatory harassment directed toward any person or group within its community – students, employees, or visitors. Academic and professional excellence can flourish only when each member of our community is assured an atmosphere of mutual respect. All members of the University community are responsible for the maintenance of an academic and work environment in which people are free to learn and work without fear of discrimination or discriminatory harassment. In addition, inappropriate amorous

relationships can undermine the University's mission when those in positions of authority abuse or appear to abuse their authority. To that end, and in accordance with federal and state law, the University prohibits discrimination and discriminatory harassment, as well as inappropriate amorous relationships, and such behavior will be met with appropriate disciplinary action, up to and including dismissal from the University. Additionally, to protect the campus community, all non-confidential University employees (including faculty) are required to report sexual assaults, intimate partner violence, and/or stalking involving a student that they witness or are told about to the Office of Institutional Equity. The University takes all reports with the utmost seriousness. Please be aware that while the information you provide will remain private, it will not be confidential and will be shared with university officials who can help.

More information is available at equity.uconn.edu and titleix.uconn.edu.

Sexual Assault Reporting Policy

To protect the campus community, all non-confidential University employees (including faculty) are required to report assaults they witness or are told about to the Office of Diversity & Equity under the Sexual Assault Response Policy. The University takes all reports with the utmost seriousness. Please be aware that while the information you provide will remain private, it will not be confidential and will be shared with University officials who can help.

More information is available at sexualviolence.uconn.edu.

Statement on Absences from Class Due to Religious Observances and Extra-Curricular Activities

Faculty and instructors are strongly encouraged to make reasonable accommodations in response to student requests to complete work missed by absence resulting from religious observances or participation in extra-curricular activities that enrich their experience, support their scholarly development, and benefit the university community. Examples include participation in scholarly presentations, performing arts, and intercollegiate sports, when the participation is at the request of, or coordinated by, a University official. Such accommodations should be made in ways that do not dilute or preclude the requirements or learning outcomes for the course. **Students anticipating such a conflict should inform their instructor in writing within the first three weeks of the semester, and prior to the anticipated absence, and should take the initiative to work out with the instructor a schedule for making up missed work. For conflicts with final examinations, students should contact the Office of the Dean of Students.**

Page: http://provost.uconn.edu/syllabi-references/
Note: this outline is tentative and is subject to change

Week	Monday	Wednesday	Friday	Due Dates	
				MyMathLab (H/W)	MyMathLab (Quizzes)
1 8/28-9/01	**No class**	**Day [1]** **1.2-1.4**	**Day 2** **2.1**	**9/02**	**9/03**
2 Sep 9/04-9/08	**Day [3]** **No Class**	**Day [4]** **2.2**	**Day [5]** **2.3**	**9/09**	**9/10**
3 9/11-9/15	**Day[6]** **2.4, 2.6**	**Day [7]** **Review**	**Day [8]** **Exam 1**	**9/16**	**9/17**
4 9/18-9/22	**Day [9]** **3.1**	**Day 10** **3.2**	**Day 11** **3.3**	**9/23**	**9/24**
5 9/26-9/29	**Day 12** **3.4**	**Day 13** **3.5**	**Day 14** **4.1**	**9/30**	**10/01**
6 October 10/02-10/06	**Day 15** **4.3**	**Day 16** **Review**	**Day 17** **Exam 2**	**10/07**	**10/08**
7 10/09-10/13	**Day 18** **5.1-5.2**	**Day 19** **5.3-5.4**	**Day 20** **5.5**	**10/14**	**10/15**
8 10/16-10/20	**Day 21** **5.6-5.7**	**Day 22** **5.8**	**Day 23** **Review**	**10/21**	**10/22**
9 10/23-10/27	**Day 24** **6.1**	**Day 25** **6.2**	**Day 26** **Exam 3**	**10/28**	**10/29**
10 November 10/30*-11/03	**Day 27** **7.1-7.2**	**Day 28** **7.-7.4**	**Day 29** **7.5**	**11/04**	**11/05**
11 11/05-11/10	**Day 30** **7.6**	**Day 31** **7.7**	**Day 32** **Exam 4**	**11/11**	**11/12**
12 11/13-11/17	**Day 33** **8.1**	**Day 34** **8.2**	**Day 35** **8.5**	**11/18**	**11/19**
13 11/20-11/24	**No class**	**No class**	**No class**	**11/25**	**11/26**
14 11/27-12/01	**Day 36** **9.3**	**Day 37** **9.4**	**Day 38** **Exam 5**	**12/02**	**12/03**
15 December 12/05-12/08	**Day 39**	**Day 40**	**Day 41** **Final Exam** **To be announce**	**12/09**	**12/10**
12/11-12/15					

This is a tentative schedule and subject to change during semester

Section	Topic
Introduction	
Chapter 1	
1.2	Algebraic expressions and sets of numbers
1.3	Operations with real numbers
Review	Fractions, percentages, unit conversion (Chapter 1 handouts)
1.4	Properties of real numbers
Chapter 2	
2.1	Linear equations in one variable
2.2	Introduction to problem solving
2.3	Formulas and problem solving
2.4	Linear Inequalities and problem solving
2.6	Absolute value equations
End Of Module 1	
Exam 1	
Chapter 3	
3.1	Graphing equations (include material from 3.3)
3.2	Introduction to functions
3.3	Graphing Linear function
3.4	The slope of a line
3.5	Equations of lines
Chapter 4	
4.1	Linear equations in two variables
End Of Module 2	
Exam 2	
Chapter 5	
5.1	Exponents

5.2	More exponents
5.3	Polynomials and polynomial functions
5.4	Multiplying polynomials
5.5	The greatest common factor
5.6	Factoring trinomials (use quadratic formula for roots from 8.2)
5.7	Factoring special products
5.8 (partial)	Solving quadratic equations (via quadratic formula and roots)
Chapter 6	
6.1	Multiplying and dividing rational expressions
6.2	Adding and subtracting rational expressions
End Of Module 3	
Exam 3	
Chapter 7	
7.1	Radicals and radical functions
7.2	Rational exponents
7.3	Simplifying Radical Expressions
7.4	Adding, Subtracting, and Multiplying Radical Expressions
7.5	Rationalizing denominators and Numerators of Radical Expressions
7.6 (partial)	Radical equations and problem solving
Exam 4	
Chapter 8	
8.1	Solving Quadratic Equations by Completing The Square

8.2	Solving Quadratic Equations by Quadratic Formula
8.3	Solving Quadratic Equations by using Quadratic methods
8.5	Quadratic Functions and their graphs
End Of Module 4	
Exam 5	
Chapter 9	
9.3	Exponential functions
9.4	Logarithmic functions
9.5	Properties of logarithms
9.7 (partial)	Exponential and logarithmic equations
End Of Module 5	
Final Exam	
Optional Topics	
5.1	Scientific notation
5.2	More scientific notation
4.2	Linear Equations in Three variables
9.6	Logarithms and Change of Base