# MATH 1030Q- 001
# Fall 2015 Syllabus

## Assessments

**Online Homework:** Online WileyPLUS homework will be assigned throughout the course of the semester.

**Quizzes:** Short quizzes will be given in class (either during lectures or discussion sessions) throughout the semester. You will be able to drop your lowest quiz score. This will be handy if you need to miss a quiz.

**Individual and Group Assignments:** Things like individual reading/writing assignments, individual written homework assignments, group written homework assignments, and group projects will be assigned over the course of the semester. The specific assignments will be determined and announced as the semester progresses.

**Working with Other Students:** This class will involve a mixture of ***individual tasks/assignments*** (to be completed by yourself) and ***group tasks/assignments*** (to be completed with one or more students in the class). Because of this, please pay very close attention to the directions for each assignment. Receiving any sort of outside help on a graded assignment — from the internet (unless told otherwise), from other people in this class (except for members of your group for group assignments), from other people not in this class, or from any other source — will be considered academic dishonesty and will be taken seriously.

**Midterm Examinations:** There will be two midterm examinations. See the schedule below for the tentative exam dates. These may be in-class examinations, take-home examinations, or examinations with both in-class and take-home portions. Note that the second of the two grading options below allows you to drop your lowest midterm exam score and add the weight of this exam to the final exam. This is meant to reward improvement as the semester progresses.

| Option 1 | Weight | Option 2 | Weight |
|---|---|---|---|
| Online homework | 15% | Online homework | 15% |
| Quizzes (lowest score dropped) | 10% | Quizzes (lowest score dropped) | 10% |
| Individual and Group Assignments | 30% | Individual and Group Assignments | 30% |
| Exam 1 | 15% | Exam 1 and Exam 2 (lower score dropped) | 15% |

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|---|---|---|---|
| Exam 2 | 15% | | |
| Final Exam | 15% | Final Exam | 30% |

**Final Examination:** The date and time for the final exam is determined by the university. The confirmed date and time will be announced in class as soon as it becomes available. No calculators or notes will be allowed during the final examination.

**Evaluations/Assessments:** Your final grade (as a percentage) will be determined by Option 1 and Option 2 below. You will be given whichever total percentage is higher.

**Grading:** The following grading scale (based on your final grade as a percentage) will be used to determine your final course grade:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **A** | [92, 100] | **B** | [82,88) | **C** | [72, 78) | **D** | [62, 68) |
| **A-** | [90, 92) | **B-** | [80, 82) | **C-** | [70, 72) | **D-** | [60, 62) |
| **B+** | [88, 90) | **C+** | [78, 80) | **D+** | [68, 70) | **F** | [0,60) |

## Policies and Resources

**Attendance:** You should attend all class meetings and are responsible for what we discuss. If you miss a class meeting, you should talk with a classmate to figure out what you missed, you should get any handouts/materials you missed from the HuskyCTsite, and you should get caught up as soon as possible.

**Make-Up/Late Policy:** In fairness to everyone, there are generally NO make-ups and NO extensions for any form of evaluation/assessment (online homework assignments, quizzes, individual assignments, group assignments, midterm exams, etc.). Only extreme situations with an officially documented excuse will allow you to make up an evaluation/assessment. Whenever possible, these excuses must be presented before the evaluation/assessment is due or is supposed to take place in class.

**Grading Policy:** If you have any questions about the grading of any evaluation/assessment, please ask as soon as possible (usually by the end of the day). If too much time has passed, then grading changes may not be made.

**Calculator Policy:** Unless stated otherwise during the semester, calculators will NOT be allowed (or needed) on any in-class assessments (quizzes, midterm exams, or the final exam).

**Academic Integrity:** Academic dishonesty is considered a serious offense at UConn. Students caught cheating shall be subject to the sanctions and other remedies described in The Student Code (http://community.uconn.edu/the-student-code-appendix-a/). Proactive strategies for students to minimize academic misconduct can be found at http://community.uconn.edu/proactive- strategies-for-students-to-minimize-academic-misconduct/. It is in your best interest to maintain your academic integrity.

**The Quantitative Learning Center:** The Quantitative Learning Center (Q Center) at UConn provides free drop-in tutoring for a number of mathematics, chemistry, statistics, and physics classes. The Q Center is located on Level 1 of the Homer Babbidge Library. For a campus map showing the location of the Homer Babbidge Library, click here. For a map of Level 1 of the library, click here.

**Accommodations for Students with Disabilities:** Students who think that they may need accommodations because of a disability are encouraged to meet with me privately early in the semester. Students should also contact the Center for Students with Disabilities as soon as possible to verify their eligibility for reasonable accommodations. For more information, please go to the website http://www.csd.uconn.edu/.

**DISCLAIMER: The information listed on this page is subject to change. Any changes or additions will be announced during class and usually also via email.**

## The Philosophy Behind Math 1030Q

One of the main points of this course is to introduce you a side of mathematics that you may not have seen in your K-12 math education. This course will mainly focus on:

- using mathematics as a way to highlight methods for effective thinking (not just about mathematics).
- exploring some great ideas in mathematics (just like people explore great works of art).
- exploring how mathematics ideas can be applied in the world.

This course will NOT focus on having you memorize notation, terminology, and formulas. These are the things that you may forget after the end of the semester and are not things that you may use directly in the future. This course will NOT focus on just the final answer to a question or problem; instead, it will focus more on developing the strategies and thought processes that can help lead to a solution. This course will focus on exploration and discovery.

## Goals for Math 1030Q

After this course, you will

- be a more effective thinker.
- see and hopefully appreciate mathematics in a new way.
- appreciate how mathematics can be applied in the world.

## Some Advice for How to Succeed in Math 1030Q

- Spend some time reading the textbook. It was actually designed to be read by students (for a change)!
- Get actively engaged in every aspect of the course. Mathematics shouldn't be something that is done to you.
- Work with other students in this class both during lecture and during your discussion session. Mathematics is done in a community of learners.

## Tentative and Incomplete Schedule for Math 1030Q

| Day | Date | Sections Discussed, Examination Dates, etc. |
|---|---|---|
| Monday | 08/31/15 | Introduction, Ch. 1 |
| Wednesday | 09/02/15 | Ch. 1 |
| Thursday OR Friday | 09/03/15 OR 09/04/15 | Introduction, Ch. 1 |
| Monday | 09/07/15 | **NO CLASS (Labor Day)** |
| Wednesday | 09/09/15 | 2.1 |
| Thursday OR Friday | 09/10/15 OR 09/15/15 | 2.1 |
| Monday | 09/14/15 | 2.4 |
| Wednesday | 09/16/15 | 2.4, 2.3 (tiny bit), 2.5 (tiny bit) |
| Thursday OR Friday | 09/17/15 OR 09/18/15 | 2.4 |

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|---|---|---|
| Monday | 09/21/15 | 4.1 |
| Wednesday | 09/23/15 | 4.1 |
| Thursday OR Friday | 09/24/15 OR 09/25/15 | 4.1 |
| Monday | 09/28/15 | 4.2 |
| Wednesday | 09/30/15 | 4.2 |
| Thursday OR Friday | 10/01/15 OR 10/02/15 | Review (Ch. 1, 2.1, 2.4, 4.1, 4.2) |
| Monday | 10/05/15 | **Exam 1** |
| Wednesday | 10/07/15 | 4.6 |
| Thursday OR Friday | 10/08/15 OR 10/09/15 | 4.6 |
| Monday | 10/12/15 | 4.7 |
| Wednesday | 10/14/15 | 4.7 |
| Thursday OR Friday | 10/15/15 OR 10/16/15 | 4.7 |
| Monday | 10/19/15 | 6.1 |

| | | |
|---|---|---|
| Wednesday | 10/21/15 | 6.1 |
| Thursday OR Friday | 10/22/15 OR 10/23/15 | 6.1 |
| Monday | 10/26/15 | 6.1 |
| Wednesday | 10/28/15 | 6.4 |
| Thursday OR Friday | 10/29/15 OR 10/30/15 | 6.4 |
| Monday | 11/02/15 | 6.4 |
| Wednesday | 11/04/15 | 6.4 |
| Thursday OR Friday | 11/05/15 OR 11/06/15 | Review (4.6, 4.7, 6.1, 6.4) |
| Monday | 11/09/15 | **Exam 2** |
| Wednesday | 11/11/15 | 9.1 |
| Thursday OR Friday | 11/12/15 OR 11/13/15 | 9.1 |
| Monday | 11/16/15 | 10.4 |
| Wednesday | 11/18/15 | 10.4 |

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|---|---|---|
| Thursday OR Friday | 11/19/15 OR 11/20/15 | 10.4 |
| Monday | 11/23/15 | **NO CLASS (Thanksgiving Recess)** |
| Wednesday | 11/25/15 | **NO CLASS (Thanksgiving Recess)** |
| Thursday OR Friday | 11/26/15 OR 11/27/15 | **NO CLASS (Thanksgiving Recess)** |
| Monday | 11/30/15 | 10.5 |
| Wednesday | 12/02/15 | 10.5 |
| Thursday OR Friday | 12/03/15 OR 12/04/15 | 10.5 |
| Monday | 12/07/15 | Review (9.1, 10.4, 10.5) |
| Wednesday | 12/09/15 | **Last Day of Lecture**, Review (Everything) |
| Thursday OR Friday | 12/10/15 OR 12/11/15 | **Last Day of Discussion Sessions**, Review (Everything) |
| ????day | 12/1?/15 | **Final Exam (Date, Location, and Time TBA)** |