Math 1020Q - 01 Course Description - Problem Solving

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Office Hours: Wednesday 2:45-3:15, 4:50 - 5:50 PM, and by appointment

Meeting Times 3:35 - 4:50 PM Mondays and Wednesdays in Monteith 110

Textbook PProblem SSSolving, 3rd edition, by DeFranco, Vinsonhaler, and Naigles

General Information

Goals: To foster problem solving skills that can be applied throughout the college experience and the rest of your life.

Expectations: First, you are expected to come to class. I will not be doing much lecturing - you will be working on problems. **You are responsible for everything that happens in class.** If you miss a class, you are expected to find out what happened. Second, you should expect to do much of your learning outside the classroom, generally spending around 4-6 hours a week working on this class. Problem Solving, like most subjects, is learned by doing. Most of all, it is expected that you will get excited about what you are learning and take delight in your own, perhaps unexpected, ability to solve intriguing problems.

Homework: Homework will be assigned, collected and graded each week. Homework is to be done outside of class and we will not devote extensive class time to the discussion of homework problems. Your work is expected to be **typed(**except mathematical notatior accurate, and contain written explanations using full sentences and standard English.
All work must be shown; **an answer without an explanation is not worth any credit**.
It is your responsibility to get help if you can't complete an assignment. You can come to my office, work with other students, send me email, or use any reasonable method to figure out how to complete your assignments. **Please be familiar with UConn's policy on Academic Integrity.**

Group Projects: You will be assigned projects during the semester to be worked on in groups. One write-up will be submitted for each group. Projects will be graded on accuracy, creativity and presentation. We will begin the projects in class, but frequently additional time outside of class will be required to complete them. Groups will be asked to present their project solutions to the class.

Week	Date	Material	Assignment due on Date
1	August 26, 2019	Chapters 1,2 - Problem Solving, PSSSP	
2	September 2, 2019	Chapter 3 - Be Proactive	Automathography, Heap Letter (pg 4)
3	September 9, 2019	Chapter 4 - See it	Symmetry (pg 140)
4	September 16, 2019	Chapter 4 - See it, Chapter 5 - Simplify it	Best Friends (see HuskyCT)
5	September 23, 2019	Chapter 5 - Simplify it, **Exam #1**	Parking Lot (pg 131)
6	September 30, 2019	Chapter 6 - Stir it up	Forty Thieves (pg 122)
7	October 7, 2019	Chapter 6 - Stir it up	Should you Switch? (pg 139)
8	October 14, 2019	Chapter 7 - Pause and Reflect	Stretch #57 (pg 107)
9	October 21, 2019	Chaps 8,9 - Interpersonal, Communication	Grilled Cheese (pg 124)
10	October 28, 2019	Estimation	Grappling with Groups (pg 123)
11	November 4, 2019	Review and **Exam #2**	Beech Tree (10 ways to measure)
12	November 11, 2019	Revisit PSSSP and work on Final Project	Neighbors (see HuskyCT)
13	November 18, 2019	Thanksgiving Break - no classes	
14	November 25, 2019	Revisit PSSSP and review for Final Exam	True and False (pg 143)
15	FALSE	Present Final Project	

Grading

The two exams will be scheduled as you see above. No make-up exams will be given. If an emergency arises and you must miss an exam, you are responsible for notifying me before the exam or you will not get credit for that exam.

2 exams	25.0%
Homework / Classwork	**50.0%**
Project	12.5%
Final Exam	12.5%
Total	100.0%

Final exam week takes place from Monday, Dec 9th through Sunday, Dec 15, 2019. Students are required to be available for their exam during the stated time. If you have a conflict with this time, you must visit the Dean of Students Office to discuss the possibility of rescheduling this exam. Please note that vacations, previously purchased tickets or reservations, social events, misreading the exam schedule and over-sleeping are not viable excuses for missing a final exam. If you think that your situation warrants permission to reschedule, please contact the Dean of Students Office with any questions. Thank you in advance for your cooperation.