Math 1020Q - 07 Syllabus - Problem Solving

Instructor: Yoshimi Dilg
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Office Hours: Monday, 2:30 - 3:30 PM
Tuesday, 9:30 - 10:30 AM
Wednesday, 2:30 - 3:30 PM
(or by appointment).

Class Times:
Tue & Thu, 8:00 - 9:15 AM in Monteith 225

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, either from me or one of your classmates. 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 written work is expected to be **neat**, accurate and contain written explanations using full sentences and standard English. It is easier to grade (and award credit for) work done on a word processor. 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 an 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.

Grading:

The two exams will be scheduled as you see below. 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%**	Total 13, I will drop your lowest one
Project	12.5%	
Final Exam	12.5%	
Total	100.0%	

Final exam week takes place from **Monday, Dec 10th through Sunday, Dec 16, 2018**. 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.

Week		Date	Material	Due on Date	Due to Read
1	Tue	August 28, 2018			
	Thu	August 30, 2018	Chapters 1 & 2 - Problem Solving, PSSSP	Automathography	*Chapters 1 & 2*
2	Tue	September 4, 2018	Chapter 3 - Be Proactive		*Chapter 3*
	Thu	September 6, 2018		Heap Letter	
3	Tue	September 11, 2018	Chapter 4 - See it		*Chapter 4*
	Thu	September 13, 2018		Symmetry	
4	Tue	September 18, 2018			
	Thu	September 20, 2018	Chapter 5 - Simplify it	Best Friends	*Chapter 5*
5	Tue	September 25, 2018			
	Thu	September 27, 2018	**Exam #1**	Parking Lot	
6	Tue	October 2, 2018	Chapter 6 - Stir it up		*Chapter 6*
	Thu	October 4, 2018		Forty Thieves	
7	Tue	October 9, 2018			
	Thu	October 11, 2018		Should You Switch?	
8	Tue	October 16, 2018	Chapter 7 - Pause and Reflect		*Chapter 7*
	Thu	October 18, 2018		Faculty Debts	
9	Tue	October 23, 2018	Chapter 8 - Interpersonal Problems		*Chapter 8*
	Thu	October 25, 2018	Chapter 9 - Communication	Grilled Cheese	*Chapter 9*
10	Tue	October 30, 2018	Estimation		
	Thu	November 1, 2018		Grappling with Groups	
11	Tue	November 6, 2018	Review		
	Thu	November 8, 2018	**Exam #2**	Beech Tree (10 ways to measure)	
12	Tue	November 13, 2018	Revisit PSSSP		
	Thu	November 15, 2018	Work on Final Project	Neighbors	
13	Tue	November 20, 2018	*Thanksgiving Break - Enjoy!*		
	Thu	November 22, 2018			
14	Tue	November 27, 2018	Revisit PSSSP		
	Thu	November 29, 2018	Review for Final Exam	True and False	
15	Tue	December 4, 2018	Present Final Project		
	Thu	December 6, 2018			