PROBLEM SOLVING – MATH 1020Q Section 012 – SYLLABUS

Meeting Times: MWF, 8:00am – 8:50am in LH111
Textbook: PProblem SSSolving, 3rd Edition, by DeFranco and Vinsonhaler

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Office Hours: Monday, Wednesday, Friday 2:00-3:00; also by appointment

Goals: The goal of this course is 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. Problem solving, like most subjects, is learned by doing.

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 in full sentences. It is easier to grade 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 cannot complete an assignment. You can come to my office, send me an email, work with other students, or use any reasonable method to figure out how to complete your assignments. **Please be familiar with UConn's policy on Academic Integrity.**

Generally, I will give one week to complete written homework assignments. If I assign reading, I expect it to be finished by next class. This is subject to possible change, and I will always specify due dates.

Group Projects: You will be assigned projects throughout the semester to be worked on in groups. One write-up will be submitted from each group. Projects will be graded on creativity, accuracy, 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: Two exams will be scheduled at the beginning of the semester. 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 receive credit for that exam.

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

Week	Material	Assignments
1	Chapters 1,2 - Problem Solving, PSSSP	Automathography
2	Chapter 3 - Be Proactive	Heap of Beans
3	Chapter 4 - See it	Symmetry
4	Chapter 4 - See it, Chapter 5 - Simplify it	Prom Problem
5	Chapter 5 - Simplify it, Exam #1 (Exam 1: Monday 10/1/12)	Parking Lot
6	Chapter 6 - Stir it up	Forty Thieves
7	Chapter 6 - Stir it up	Should you switch?
8	Chapter 7 - Pause and Reflect	Faculty Debts
9	Chaps 8,9 - Interpersonal, Communication	Grilled Cheese
10	Estimation	Prisoner's Dilemma
11	Review and Exam #2 (Exam 2: Wednesday 11/7/12)	Maple Tree
12	Estimation	House Hunt
13	Revisit PSSSP and review for Final Exam	Weights
14	Present Final Project	Final: 12/09, 8:00am – 10:00am, LH 111