Math 1020 # Problem Solving **Springt 2012**

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Text: *PProblem SSSolving* by DeFranco & Vinsonhaler, 2nd edition.
You can find it at the UConn bookstore

Class: You are expected to attend class each week, and will be responsible for everything that happens there. I won't be lecturing much; most of your time will be spent working on problems. Since we are only meeting once a week, each class session will cover a significant amount of material which will be relevant for the homework or exams.

Homework: Homework will be assigned each week, and will be collected at the beginning of class the following week. All assignments must be neat and organized, containing complete explanations in full English sentences. Please type your assignments when you can, as this will make it easier for me to grade (and award as much credit as possible!)

Exams: There will be 2 in-class midterm exams. They will take place on February 21$^{\text{st}}$ and April 11th. No make-up exams will be offered.

The final exam will be given (tentatively) on Friday, May 10$^{\text{th}}$.

Group Projects: You will be assigned a group project during the semester. Each group will submit a single write-up for this, and present it to the class. These projects will be graded on accuracy, creativity, and presentation. We will have a bit of time to work on these during class, but it will be up to you to finish them outside of class.

Semester grades will be calculated as follows:

Homework/Classwork	50%
In-Class Exams	25%
Final Project	12.5%
Final Exam	12.5%

Office hours: I will be out of town for the first half of each week, so office hours will be held online. We'll discuss the timing in class, but during my office hours I will be available for video chat via Google "Hangouts," and I will answer email questions as immediately as possible.

Of course, you're welcome to email me anytime, and I'm happy to spend some extra time before or after class answering any individual questions.

Tips for the Course:

- This course will be unlike any math class you've taken before. Come to class prepared to participate, try things, and maybe even have some fun.
- Do all of the homework! Neglecting to give the assignments the time and consideration they deserve is really the only way to ensure a bad grade in this class.
- Discuss the topics with your classmates, and don't hesitate to ask questions in class.
- If you have issues with any assignments, please communicate with me. Im here to help you as much as possible, but I can't do much if I don't know you're having trouble.
- If you have a diagnosed learning disability that requires special consideration, please see me as soon as possible.
- Please refer to the Office of Student Services and Advocacy (OSSA) for University policies regarding absences due to religious observance, and the rescheduling of exams: `http://www.ossa.uconn.edu/`

Class guidelines: It is expected that everyone in our class will act in a respectful manner:

- Turn off all cell phones and beepers before the start of class.
- Laptops are not to be used in class (Facebook can wait!)
- If you are late to class, please enter quietly and take your seat quickly
- Cheating of any kind is absolutely unacceptable and will be result in failure of the assignment. Please review the student code:
  `http://www.dosa.uconn.edu/student_code.html`

The table below gives an outline of the topics we'll cover and the assignments that will be due each week. It is subject to change, so pay attention!

Week	Chapters	Topics	Assignment Due
1	1,2	Problem Solving, PSSSP	
2	3	Be Proactive	Automathography, Heap Letter
3	4	See it	Symmetry
4	4	See it	Prom Problem
5	5	Simplify it; **Exam #1**	Parking Lot
6	6	Stir it up	Forty Thieves
7	6	Stir it up	Should you switch?
		Spring Break - Enjoy!	
8	7	Pause & Reflect	Faculty Debts
9	8,9	Interpersonal, Communication	Grilled Cheese
10		Estimation	Grappling with Groups
11		Review; **Exam#2**	Maple Tree
12		Revisit PSSSP, Final Projects	House Hunt
13		Revisit PSSSP, Final Exam review	Weights
14		Final Project Presentations	