

## Short Term Plan

## CSCI 1210 Computation Modeling & Science

[introductory programming focus and learning Excel]

### Course Overview



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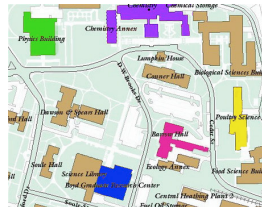
- Today go over expectations and course plan
- We will introduce the focus of course by watching the freakonomics movie (total time 1:34 minutes – 95 minutes) starting today.
- We will conclude the movie on Friday & follow-on discussion
- Next week (tentatively)
  - » Monday: Python programming (bring laptops)
    - [Laptops are expected everyday, with required software – excel & python]
  - » Chapter 1 in Book

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## Administration / Logistics

- Who am I?
  - » Office: Boyd 219C
- Class:
  - » Boyd 328
- [maria@cs.uga.edu](mailto:maria@cs.uga.edu)
- Office Hours: Wednesday After Class (starting next week)
  - » And by e-mail appointment
- TA: TBD - check class web page for updates... probably none...



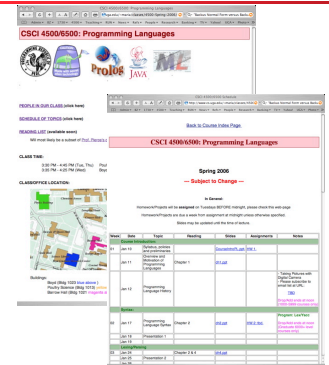
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## The 3 Communication Links

1. Web Page (different from image on right), navigate via: [www.cs.uga.edu/~maria/](http://www.cs.uga.edu/~maria/)
  2. Wiki Page (linked via web site) Post project gallery there.
- Your responsibility
    - » Understand policies, honor code
    - » Work independently on projects & homework
    - » Check page often for updates "refresh" to get latest copy
3. Email list (tentative name)
- CS-COMPSIM@listserv.uga.edu



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## What we will Learn

- Learn about tools of scientific investigation (e.g., Microsoft Excel)
- Learn Applied Statistics. This is really what the course is about.
- Learn about programming: Python (easy to program, great first language for non-programmers).
- Hands on programming (after the programming introduction, tutorial approach).



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## How we're going to do it

- Read & Listen
  - » Web resources, textbook & tutorials (in class and on the web)
- Practice
  - » 8-10 homework & programming assignments
  - » Weekly: 1 page summaries (not graded on English)
    - Learn how to read/skim papers/chapters
    - Learn how to create effective tutorial
    - Learn how to filter out important characteristics in text
- Test
  - » 2 Midterms, 1 Final, Quizzes (easy)
- Talk and think in class, and outside!

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## How to get an A? B? C?... F?

- Theory 40%
  - » 2 Exams (10% each) + Final 15% + Quizzes 05% = 40%
- Practice 55%
  - » Homework, weekly summaries & programming and homework assignments
- Participation 5%
  - » 100% attendance will **raise** your final grade by **2%**
  - » **Constructive** participation on class list may raise your grade by **1%**



## How to get an A? B? C?... F?

100	A	79	B-
99	A	78	C+
98	A	77	C+
97	A	76	C+
96	A	75	C
95	A	74	C
94	A	73	C
93	A	72	C
92	A	71	C-
91	A-	70	C-
90	A-	69	C-
89	A-	68	D+
88	B+	67	D+
87	B+	66	D+
86	B+	65	D
85	B	64	D
84	B	63	D
83	B	62	D
82	B	61	D-
81	B-	60	D-
80	B-	59	D-
		58	F



## Policy on Collaboration

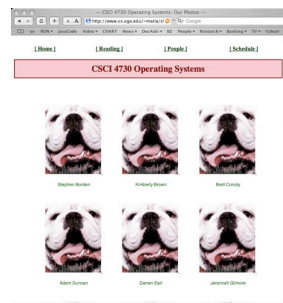
- Assignments/projects/summaries:
  - » Purpose: familiarization of concepts and details of programming languages
  - » Work on project independently:
    - No direct sharing of code
    - No line-by-line assistant
    - No exchange of code
  - » You are encouraged to ask questions of one another, and to respond to other student's questions (and especially on the email list)
- Exams:
  - » Closed-book. No outside assistance is permitted. No additional materials may be used.
  - » **No make-up tests** unless absence is due to **serious** illness. Doctor's diagnostic note is required. The final grade will be scaled accordingly.

## Paper Summaries

- 1 page summary of an assigned reading chapter/text or other web resource -- need to reflect that you understand the text. Example questions to answer:
  1. What is the problem that the authors are trying to solve?
  2. What is their approach and how is it original?
  3. What are the assumptions/limitations?
  4. What are the results/impact of paper (Why is this chapter important)?

## Homework 1

- See schedule for details...
- Digital Image -- How to get out of the dog pound (and improve your grade).



## Introductions: Also Turn in

- Name, major, year?
- What are you hoping to learn from the class?
- What is your background?
- What type of computer platforms do you have now,
  - » Model/brand, memory, processor (be specific)
- What type of projects are you interested in?
- What do you want to do when you graduate?