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# **CS3:** **Introduction to Symbolic Programming**

## **Lecture 1: Introduction to CS3**

**Fall 2007**

**Nate Titterton**  
**nate@berkeley.edu**

# Section schedule

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**All sections meet in C30 Hearst Field Annex**

	Mon	Tue	Wed	Thur	Fri
8-9am		Sec. 10/16 (now open) Seth	Sec. 14 Seth	Sec. 10/16 (now open) Seth	Sec. 14 Seth
9-10					
10-11					
11-12		Sec. 11 Katie	Sec. 15 Roland	Sec. 11 Katie	Sec. 15 Roland
12-1pm					
1-2					
2-3		Sec. 12 Merry		Sec. 12 Merry	
3-4					
4-5	Lecture				
5-6		Sec. 13 Katie		Sec. 13 Katie	
6-7					
7-8					

# Fall 2005 Final Survey

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*What advice would you give to students who will take CS3 in future semesters?*

## **Most common responses:**

- **Go to lab and ask lots of questions; GSI are helpful**
- **Don't fall behind in lab, catch up as soon as you fall behind**
- **Do the reading before lab**
- **prepare to spend a lot of time with the class**
- **find a good partner to do projects and study for exams**
- **Ask for help**

# Other helpful responses

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- **Focus very hard on the first two weeks. You learn a lot there, there is a LOT of stuff to do and it is very easy to fall behind.**
- **It's not as bad as you might make it out to be.**
- **Take breaks for every hour in front of the computer screen if you want to protect your eyes and be prepare to learn most things on your own.**
- **Show up at lab. Yes you have the option of working at home, but I thought a big part of the class was working in a class environment. If you don't get something, you can first ask someone next to you. And if they don't get it then a TA can explain it to you. Stay ahead of your work. Don't get behind on labs. With a few exceptions, I think most of the labs could be finished in the allotted time. The few times I got behind it was a real pain catching up.**
- **if you have time, go to extra labs. It is really helpful...**

# Admin

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- **Website:**

<http://inst.eecs.berkeley.edu/~cs3/>

- **Books:**

- *Simply Scheme*, by Harvey and Wright
- The CS3 reader, at the Northside Copy Central (2483 Hearst Ave)

# Graded work

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- **Homework (every session)**
- **Quiz (every session)**
- **Mini-projects (3)**
- **Big project**
- **Midterms (2 – Oct 1<sup>st</sup>, Nov 12<sup>th</sup>)**
- **Final (Dec 18<sup>th</sup>)**

*Note: there will be quite a bit more work presented to you in labs.*

# Other courses

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- **CS 61a**
  - More than just programming
  - Quite good, but difficult.
  - If you are going to be a CS major, consider starting with this
  
- **CS 3S**
  - Self paced, which can be good and bad.
  
- **IDS 110**
  - Computer literacy

# The main topics

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- **Scheme**
- **Recursion**
- **High-order functions**
  
- **Writing programs well**



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Spring 2006 CS3: 2

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