

CS211 Computers and Programming

Fall, 2000

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Course Topics

- Concepts in modern programming languages
 - classes and objects, inheritance
 - recursion
 - exception handling
 - concurrency
 - Data structures
 - lists, stacks, queues, trees, hashables, collections
 - sorting, searching, algorithm analysis
 - Program Design Techniques: UML, program lifecycle
 - Graphical User Interfaces (GUIs)
- Goal is to learn concepts, not details of Java

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Course Staff

- Instructors
 - Dr. Paul Chew
 - Dr. Matthew Morgenstern
- Teaching Assistants
 - Evan Moran
 - Michael Clarkson
 - Kim Kanghoe
 - Vaibhav Vaish
 - Yuzheng Ying
 - Andrew Lin
 - Hsiang-Hao Kung
 - David Wang
 - Brian Cody
 - Michael Priscott
- Administrative support
 - Helene Croft
 - Laurie Buck

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Starting Next Week

- An additional lecture time
 - Also in Olin 155
 - 12:20 to 1:10 Tuesday and Thursday
 - You are encouraged to attend the 12:20 lecture
 - ✓ Less crowded
 - ✓ Same lecturer
 - ✓ Same course content
- Recitation sections also start next week

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If you are unfamiliar with Java

We encourage you to take

CS202: Transition to Java
MWF 12:20-1:10
Upton 111
8/25 until 9/22 (1 credit)

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Two Streams

- Regular Stream
 - Less programming: no project
 - Grade based on 2 Prelim exams (20% each), homework (35%), and a Final Exam (25%)
- Accelerated/Project Stream
 - More programming and a final project
 - Additional depth in recitation sections
 - No Final Exam
 - Grade based on 2 Prelim exams (20% each) and homework including a final project (30% + 30%)

Assessment exam next class to let us know what you know and to help decide which stream is appropriate

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Accelerated/Project Stream

- Additional depth and related/expanded material:
 - Relationship to concepts and approaches in other programming languages
 - Alternative ways of thinking about key concepts and implementing selected algorithms
 - Self-describing aspects of Java ('reflection', 'introspection')
 - Some opportunity for individualized mini-projects IF desired
 - Discussion of web and database applications
- Submit Drop/Add form for either:
 - section 10: Wed 12:20 - 1:10 PH 407
 - section 11: Thur 2:30 - 3:20 OH 245

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Homework for Next Week - Aug 31

- Read Chapter 1 of Weiss, Data Structures and Problem Solving
- Read the material on using CodeWarrior - the Java Development Environment we are using:
 - See course web site for writeup
<http://www.cs.cornell.edu/courses/cs211>
- Review what you learned previously about Java

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