CSE 3302  
Programming Languages  
Chengkai Li  
Fall 2007

What do they have in common?  
blue, orange and white

Myself: Chengkai Li  
• China.  
• Research interests: databases, Web, information retrieval, data mining  
  http://ranger.uta.edu/~cli  
• Looking for undergraduate/graduate students. Financial supports available.

Now it’s your turn…  
• name, year, where from  
• courses taken  
• programming skills  
• what do you want to get from the course  
• anything else

Course Page  
http://crystal.uta.edu/~cli/cse3302  
- Syllabus, Announcements, Schedule (lecture notes), Homeworks, Machine Problems, Exams, Discussion Groups, Resources, Accommodation based on disability.  
- Important announcements: announcement page  
  http://crystal.uta.edu/~cli/cse3302/announcements.html  
- Web CT  
  – discussion group.  
  – assignments submissions.  
  – BeastlyBull

Basics  
• Lectures: Tuesday / Thursday, 3:30-4:50pm, NH 110  
  – Slides don’t cover everything. You need to read the book and supplementary materials.  
• Instructor: Chengkai Li  
  Office hours: Wed./Fri. 11am-12pm, Nedderman Hall 334  
  Contact: (817) 272-0162, cli@uta.edu  
• TA: Roochi Mishra  
  Office hours: Tu/Th 2-3pm Nedderman Hall 232  
  Contact: (817) 272-5188, roochimishra@uta.edu  
Basics (cont.)

• Prerequisites
  – Background:
    CSE 3315 Theoretical Concepts in Computer Science and Engineering.
    Automata, grammar, regular expression, ...

  – Programming:
    Experiences with at least one major programming language.

Tentative grading scheme

• Homeworks (HW): 10%, individual.
• Machine Problems (MP): 30%, individual or group of 2 (no exception).
• Essays (ES): 10%, individual.
• Midterm exam: 20%, close-book, close-notes.
• Final exam: 30%, close-book, close-notes.
• Bonus points: 5%, based on class participation.

• Out: Thursdays
• In (Due): Thursdays 5pm (3 weeks later)
  By WebCT. (Will do Email if we cannot setup WebCT.)

Homeworks (HW) 10%

• HW1, HW2
• Problems based
• Can discuss, but must write it independently.
• Review the materials learned
• Get you prepared for the exams

Machine Problems (MP) 30%

• MP1, MP2, MP3.
• Can discuss, but must do it independently or in group of 2 (must roughly equally contribute).
• Decent amount of programming:
  – Not crazy.
  – But not a piece of cake either.

Essays (ES) 10%

• ES1, ES2
• satisfying ABET requirements
• Can discuss, but must write it independently.
• ES1: some extra readings.
• ES2: preparations for panel discussion.

Deadlines

• Automatic 24-hour grace period, without penalty.
• 0 after the grace period.

• Example:
  – HW1.due = Oct. 4th, 5pm
  – If (you submit before Oct. 5th 5pm) then
  you are fine
  else
  HW1.score = 0
Exam

• Midterm: 20%
  Oct. 11th Review
  Oct. 16th Exam (in class), close-book, close-notes (may become take-home essay)

• Final: 30%
  Dec. 6th Review
  Dec. 13th Exam, Thursday, 2-4:30pm, close-book, close-notes

Regrade

• 7 days after we sent out scores (either by Web CT or email). TA will handle regrade requests. Won’t consider it after 7 days.

• If not satisfied with the results, 7 days to request again. Instructor will handle it, and the decision is final.

How to get bonus points? 5%

• During lectures:
  – Raise questions. (There are no bad questions.)
  – Actively participate in discussions.
  – But don’t overdo it please.

• Presentation and Panel Discussions:
  – Students form groups. Each group study a language not covered in lectures. And try it out.
  – Each student writes an essay that involves the languages studied by other groups.
  – The group presents (either single or multi speakers is fine.)
  – The group discusses as a panel. Instructor moderates. Questions from other students.

Get questions after class?

• Discuss with classmates:
  – The best way to learn is to teach.

• General questions (that can be asked by any student):
  – Post on discussion group (Web CT or listerv)

• Individual questions (that apply to you specifically):
  – Email TA
  – No need to CC me. If TA cannot handle it, she will forward to me.

• Come to TA’s office hours or my office hours.

Get bored

• Do you watch Youtube?

  http://www.youtube.com/watch?v=qG2ew6qLa8U
  http://www.youtube.com/watch?v=463qKcXDvzQ

  Don’t do it. It’s not worth it.
read & sign the statement

CSE 3302: What is it about?
• Exposure to various kinds of languages and paradigms.
• Understand the features, pros/cons of languages.
• Do things in the right way.
• Learn a new language effectively and quickly.
• Choose a language to use for a project/system.
• Design new languages.

CSE 3302: What isn’t it about?
• I want to get easy credit without doing much.
• I want to become a coding guru in C/C++/C#/Java/…
• I want to know every details about implementing a language.
• I want to prove properties of a language.

What is a programming language?
• Programmers use PLs to instruct computers to do things.
We talk about high-level general-purpose programming languages.

• We talk about high-level general-purpose programming languages.

SELECT name FROM Students WHERE status='sleeping'

• We discuss high-level general-purpose programming languages.

Lecture 1 – Introduction, Fall 2007

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