Welcome to CSE 114 Computer Science I
CSE 114 Computer Science I

Fall 2016

M,W,F 10:00-10:50, B103

Art Lee

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Office hours:  M,W,F 11:00am-11:50am
or by appointment
Announcements

• Course web: http://www.cs.stonybrook.edu/~alee/cse114/

• Survey form: See Announcements on the course web

• Reading assignment for this week: Chapter 1 of Liang
  • You may skip section 1.11
Still deciding?

- Prerequisites: none although this is what the Bulletin says:
  **Prerequisites:** Level 4 or higher on the math placement exam
  **Advisory Prerequisite:** CSE101 or ISE108

- Known as "CS I" – Introduction to Computer Science

- For non-CS majors, this course is an excellent way to get an introduction to what computer science is all about and learn how to program

- For CS majors, this course is a launching point into the CS major
Goals

- Get an introduction to computer science
- Learn how to solve a problem by:
  - defining the problem
  - developing a solution (develop an algorithm)
  - implementing the solution by writing a computer program
  - testing and fixing the programming solution
- Learn to program in Java
- Provide a healthy mix of the practical and theory
Textbook

- As needed, I will post links to other references

*Note:* Chapters 1–18 are in the brief version of this book.

*Note:* Chapters 1–33 are in the comprehensive version.

*Note:* Chapters 34–42 are bonus chapters available from the Companion Website.
Homework

- There will be about one assignment per week
  - Homework assignments will be posted on the course web
  - You will turn in homework on Blackboard

- Take the homework assignment seriously!
  - Designed to challenge you in applying what you've learned so far
  - Start early! Experience has shown that programming projects almost always take longer than expected
  - Read "How To Approach This Class" in the syllabus for detailed suggestions
Late homework policy

- Late assignments are penalized at 10% per day
  - Assignments more than 3 days late will *not* be accepted
  - Any part of an assignment that’s late means the entire assignment is late

- If you have an emergency situation, email me before the due date and we’ll work something out
Lab

- There will be weekly lab problems that you must complete and get checked off

- Lab assignments will be graded on a scale of 0 - 3 points (see Syllabus for details)

- Lab time/location
  - Section 1: M,F 12:30-1:50, A313
  - Section 2: M,W 3:30-4:50, A313

- Attend one of the two sections, consistently
Tutoring

- Tutoring is available almost every day each week
  - Schedule is forthcoming (posted on course web)
  - In “CS Commons” (next to CSD office)
  - CSE 214 tutors will also be able to help you but they need to give priority to CSE 214 students

- Come with specific questions and/or code that you need help with
  - Tutors strive to spend time with everyone that comes to tutoring session so be courteous and share the tutor’s attention
Grading

- Problem sets, labs, in-class quizzes: 35%
- Midterm exam 1: 17%
- Midterm exam 2: 18%
- Class participation: 5%
- Comprehensive final exam: 25%

- Makeup exams will only be given for verified, officially sanctioned university activities
- All makeup exams may be oral
Cooperation vs. copying

- Cooperation (talking over problems) is a good way to learn and is encouraged.

- Do not copy code. Do not let others look at or copy your code.

- Copying is not allowed on homework or exams no matter the source (written or verbal).

- When you submit your homework or tests, you are pledging that the work is your own and you have not copied it. You are also pledging that you have not allowed others to copy it.

- **DO NOT COPY!** *(Software tools catch it easily)*
Electronics in class

- Turn off laptops, tablets, and phones during class

- Lecture notes are posted on course web after each class so listening and taking additional notes during class is encouraged

- Talk to me after class if there’s an issue with this policy
Exam dates

- Midterm exam 1: Wed., October 12, in class
- Midterm exam 2: Fri., November 11, in class
- Final exam: Wed., December 14 (9:00-11:30, B103)

- Midterm exam dates are *tentative*
- Final exam date is fixed
How to succeed in this class

• Attend class!
  • Not all information is in my lecture notes or in the book
  • I draw a lot on the board
  • In-class practice assignments make a difference

• Take the homework and lab assignments seriously
  • Start early. Homework will take longer than you think

• Read the reading assignments and review the lecture notes and try out example code
  • Learning to code involves learning to read other people’s code

• Be on time to class
  • Announcements and hints to homework are given at the start of class

• Ask questions right away if confused. Ask in class, ask a tutor, or come to my office hours. Don’t stay confused and don’t get behind!
Demo

- Hello world
- Tic Tac Toe
- Juke box