

## Welcome to CSE 143

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University of Washington  
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Slides based upon those by Martin Dickey, Spring 1998,  
and Richard Anderson, Fall 1998

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## Today's Topics

- Course Overview
- Administrative Information
- Introduction To C++

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## Course Overview (part I)

- A direct continuation of 142
  - Review old 142 exams to see if you're ready!
- More advanced programming
- Software engineering concepts
  - Abstraction, modularity, information hiding
  - Abstract data types
- Data Structures
  - Lists, stacks, queues, trees, hash tables
  - Dynamic memory management

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## Course Overview (part II)

- Recursion
- Algorithms
  - Searching, Sorting
  - Performance Analysis
- Object-Oriented Programming
- Implementation Language: C++

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## Textbooks

- Required: Carrano, Helman and Veroff, *Data Abstraction and Problem Solving with C++: Walls and Mirrors*, 2nd ed, Addison-Wesley, 1998.
- Course packet: Au98 lecture slides
- Optional: Lippman and Lajoie, *C++ Primer*, 3rd ed, Addison-Wesley, 1998.
- Useful: Maguire, *Writing Solid Code*, Microsoft Press, 1993.

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## Grading

Approximate percentages:

- 5 projects 35%
- Midterm exam 15%
- Final exam 30%
- 4-6 quizzes 15%
- Other 5%

Regrades: If we make a mistake, discuss it with your TA within 1 week after the work is returned in section.

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## Course Web

• <http://www.cs.washington.edu/education/courses/143/CurrentQtr/>

- Course Information
- Mailing List Archives
- Lab, Office Hours
- Programming Assignments, Quizzes, Exams
- Links to Previous Quarters
- And lots more

**Check it frequently!**

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## Compilers

- Full Support:
  - MSVC++ 6.0 (recommended) or MSVC++ 5.0
  - IPL (Sieg 323) MSVC++ 6.0
  - Home platforms with MSVC++ 6.0 or 5.0
- Partial Support:
  - Other **recent** ANSI C++ compilers

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## What Does Support Mean?

- Full support means we will:
  - Help you solve system problems
  - Provide sample executables
  - Provide consultants support in IPL
- Partial support means we will:
  - Help with problems as we can

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## Mailing Lists [Might change]

- cse143-announce@cs:** Class announcements made by staff
- cse143@cs:** General discussion and questions
- cse143-section-<name>@cs:** Section-specific discussion and questions
- cse143-<platform>@cs:** Platform-specific discussion and questions
- See web page for subscription information: *subscribe to at least the 4 above.*
  - Archive of mailing lists on web
  - [Wi99: might use newsgroups instead of some lists]

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## Mail Aliases

- **cse143-instructor@cs (or perkins@cs):** Send mail to instructor
- **cse143-staff@cs:** Send mail to instructor, all TAs, and all consultants

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## Quiz Sections

- Purposes
  - Answer questions, clarify homework
  - Quizzes
  - Enrichment of material from lecture
  - New material presentation
- Attendance is expected

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## Staff

- Teaching Assistants:
  - Steve Capell
  - Steven Deitz
  - Shuichi Koga (head TA)
  - Brian Lee
  - Vibha Sazawal
  - Shirley Wang
  - Eric Youngblut
- Consultants:
  - Michael Dougherty
  - Alexis Hope
  - Maksim Noy
  - Howard Sun
  - Yunfei Xie
  - Instructional Technologist
  - Dan Boren

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## Important

- Students in CSE143 have very diverse backgrounds
- If you are having difficulties -- take advantage of instructor/TA office hours
- If the course is too easy:
  - Relax
  - Switch to high-background section
  - Study from Stroustrup's book
  - Extended functionality on Homework assignments

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## Class environment

- The goal is to create an environment where all students can successfully learn the material
- Questions / answers in lecture
- Discussions in quiz sections
- Hi/Reg/Lo background quiz sections
- Mailing lists
  - Archived mail accessible on the web
  - Discussions of course material
  - Appropriate use policy: do not send out harassing or abusive mail.

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