Lecture 28: Course Evaluation Beyond 370
Benjamin’s Research

CSE 370, Autumn 2007
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Course Evaluation

• Numbers are useful
• Comments are even better

Administrative Stuff

• Review session this afternoon at 2 in CSE 303
• Final exam Monday morning at 8:30 in EE 037
• Lab check-off opportunities entirely up to lab TAs (until next Friday)
• Unreturned/uncollected material will be available during the exam
  • Will be recycled shortly thereafter

Computer Engineering at UW Beyond 370

• 378: Much more computer organization
• 466: Embedded systems software
• 467: Advanced hardware design
• 468: VLSI (not taught often)
• 471: Advanced computer organization
• 477: Digital system design
Computer Engineering in EE

- EE 331: Devices and Circuits I
- EE 341: Signals and systems
- EE 476: Layout!

More Distantly Related Courses

- 401: Compilers
- 451: OS
- 461: Networks

Rant About Research

- UW CSE is a research-oriented department
- Research is qualitatively different from taking classes
  - Some students with less than stellar grades do excellent research
- Take advantage of the opportunity to see what working on a research team is like

Motivation for Benjamin’s Research
Some Algorithms Are/Have:

- Many independent operations
- Repetitive
- Predictable
- Many operations per unit of primary input data
- A small working set of data
- A substantial total amount of work

Accelerators

- These algorithms can be run much faster and more energy efficiently by coprocessor accelerators
  - FPGAs, GPUs
  - \( \times 10 \) is reasonable for many applications
- Accelerators are much harder to program

Abstract Programming Models
Thanks for Your Attention

• Good luck on the final exam
• Have a good holiday