Lecture 28: Course Evaluation Beyond 370 Benjamin's Research

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Course Evaluation

- Numbers are useful
- Comments are even better

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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

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Computer Engineering in EE

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

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More Distantly Related Courses

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

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Rant About Research

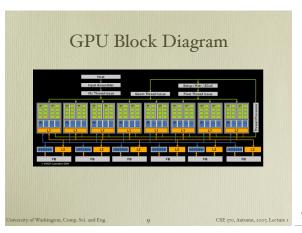
- UW CSE is a research-oriented department
- Research is qualitatively different from taking classes
- Some students with less than stellar grades do excellent research
- Take advantage of the opportunity to see what working on a research team is like

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Motivation for Benjamin's Research The second of the seco



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

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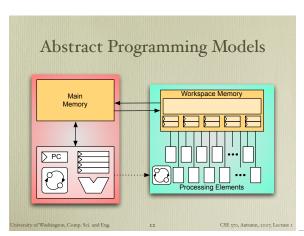
Accelerators

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

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Thanks for Your Attention

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

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