CS 352: Comp	CS 352: Computer Systems Architecture		
	Lecture 1:		
What is C	omputer Architecture?		
	January 17, 2003		
l Profes Unive mc	Kathryn S McKinley ssor of Computer Science crsity of Texas at Austin ckinley@cs.utexas.edu		
CS352 Spring 2010	Lecture 1 1		





Lectures T/Th 9:30-11am, NOA 1.126			
Instructor	Prof. Kathryn S McKinley,		
Office Hours: Tu 1:30-2:30 & by appointment			
TA Renee St. Amant			
Office Hours: M,W 1:30-2:30			
Grading			
Final Exam		1	15%
Mic	dterm Exam	2	15% each
Hoi	mework	~7	20%
Qu	izzes	~10	10%
Pro	oject	1	25%
Ethics			
If you cheat, you fail			
Text	·		
If you cheat, you fail Text Patterson & Hennessy, <i>Computer Organization and Design</i> (Fourth Edition) Including CD			

	CS352 Online	
URL:	www.cs.utexas.edu/users/mckinley/352	
email I	list: <u>352-mckinley@cs.utexas.edu</u> mandatory: send email with your name and email to stamant@cs.utexas.edu	
Computer Architecture Seminar Series: www.cs.utexas.edu/users/cart/arch		
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CS352 Topics	
 What is a computer system? Technology Trends Computer Performance Instruction set architectures Pipelining Modern pipelined architectures Dynamic ILP machines Static ILP machines Cache memory systems Virtual memory Multiprocessors Computer system implementation 	
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	Next Time	
· Basic comput	er elemente	
- transistors,	wires, memory	
• How chips ar	e made	
 Technology t 	rends	
 Reading assignment P&H Chapte More on transport http://en.w 	gnment r 1.1—3, 1.7-9 nsistors (optional) ikipedia.org/wiki/Transistor	
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