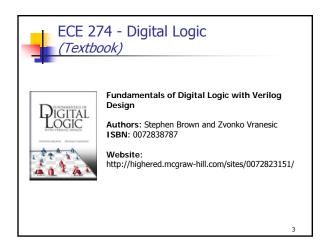
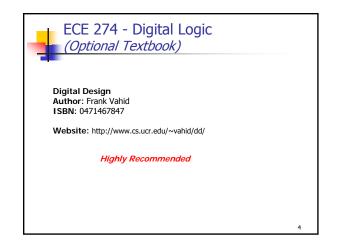


ECE (La	E 274 - Digi <i>bs)</i>	tal Log	jic	
TAs:		ng@email.a l@email.ariz wamy, anna	rizona.edu ona.edu akris@email.arizona.edu	
Lab Section	ons:			
Section 1: Section 2: Section 3: Section 4: Section 5: Section 6: Section 7: Section 8:	M 2:00PM-4:50PM, T 8:00AM-10:50AM, T 2:00PM-4:50PM, W 2:00PM-4:50PM, T 11:00AM-1:50PM, R 11:00AM-1:50PM, R 2:00PM-4:50PM, F 2:00PM-4:50PM,	ECE 301, ECE 301, ECE 301	TA: Julian Sosa TA: Julian Sosa TA: Annapoorna Krishnaswamy TA: Haiyong Zhang TA: Haiyong Zhang TA: Julian Sosa	
				2



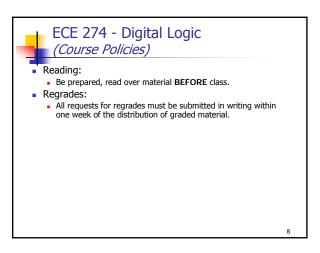


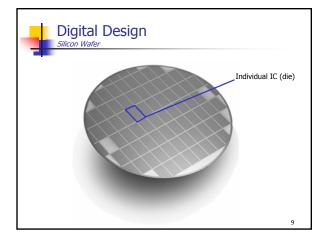
ECE 274 - D (Syllabus)	igital Logio	С	
<ul> <li>Course Breakdown:</li> </ul>			
<ul> <li>Final</li> </ul>	25%		
<ul> <li>Midterms</li> </ul>	40%		
<ul> <li>Quizzes</li> </ul>	5%		
<ul> <li>Homework</li> </ul>	10%		
<ul> <li>Lab Assignments</li> </ul>	20%		
			5

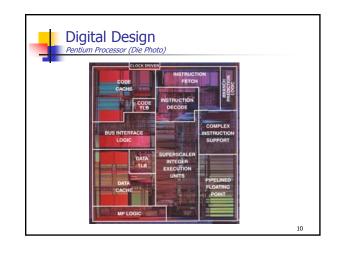
ECE 274 (Grading)	- Digital Logic	
(Grauing)		
Grading:		
<ul> <li>90 – 100%</li> </ul>	A	
<ul> <li>80 – 90%</li> </ul>	В	
<b>70 - 80%</b>	C	
<ul> <li>60 – 70%</li> </ul>	D	
<ul> <li>Below 60%</li> </ul>	F	
<ul> <li>All grades are a</li> </ul>	assigned on an individual basis.	
		6

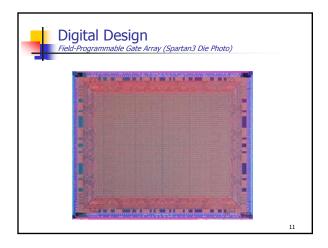


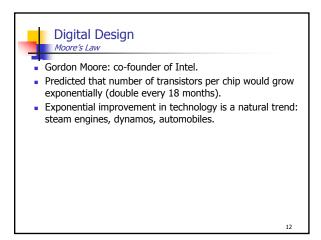
- Don't be late!
- Cell Phones:
- Please turn your cell phone off before coming to class!
- Academic Dishonesty:
  - Any academic dishonesty will no be tolerated, please consult the UA Code of Academic Integrity.
  - All course work should be completed entirely on your own
  - You are allowed to discuss general concepts and ideas
  - But you should not discuss homework or lab assignments

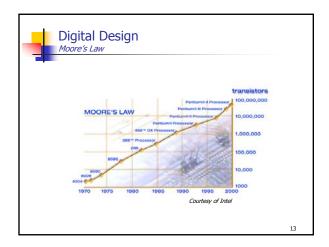


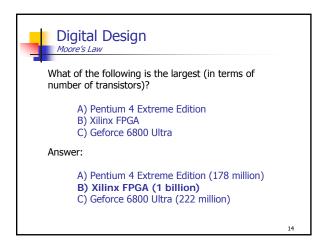


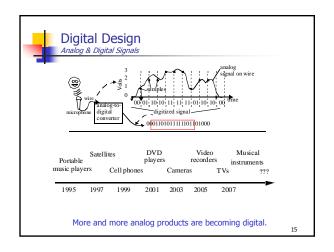


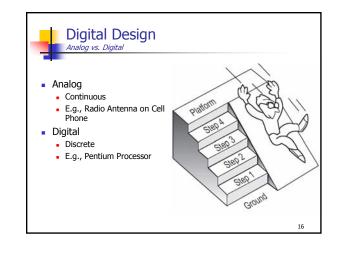




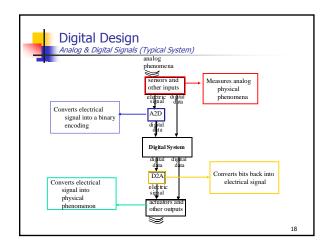


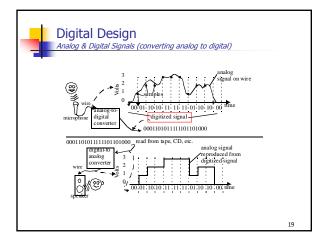


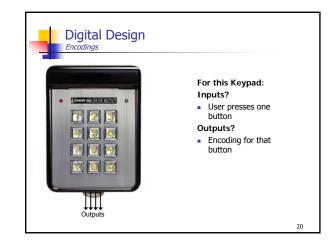


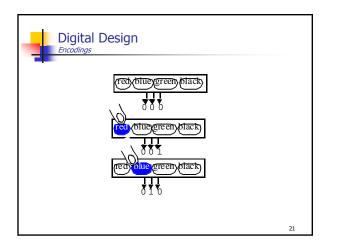




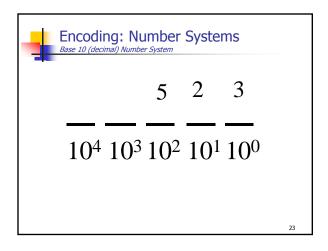


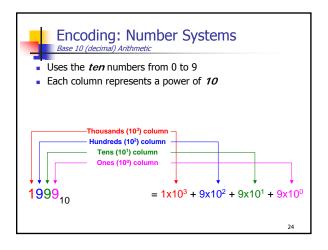




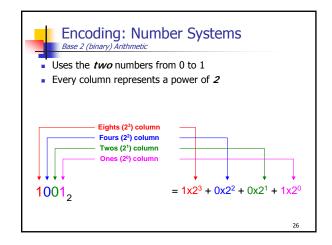


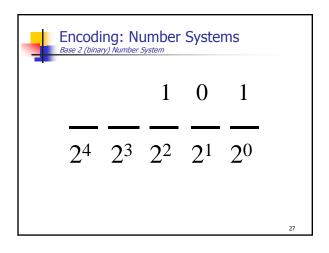
Symbol	Encoding	Symbol	Encoding
R	01010010	r	01110010
S	01010011	s	01110011
т	01010100	t	01110100
L	01001100	1	01101100
N	01001110	n	01101110
E	01000101	e	01100101
0	00110000	9	00111001
	00101110	!	00100001
<tab></tab>	00001001	<space></space>	00100000

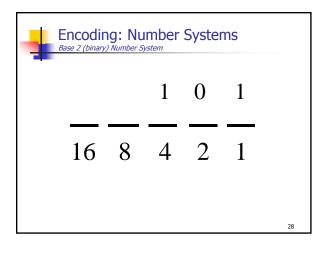


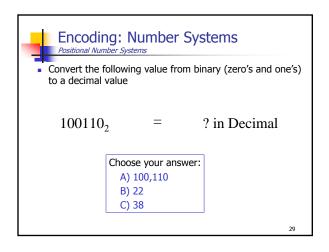


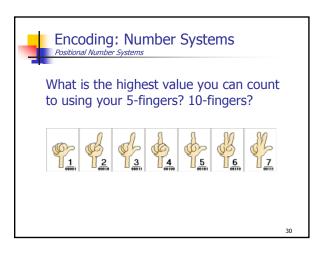
0 to 9	As usual: "zero," "one," "two," etc.
10 to 99	10, 11, 12, 19: "one ten," "one ten one," "one ten two," . "one ten nine"
	20, 21, 22,, 29: "two ten," "two ten one," "two ten two," . "two ten nine"
	30, 40, 90: "three ten," "four ten," "nine ten"
100 to 900	As usual: "one hundred," "two hundred," "nine hundred. Even better would be to replace the word "hundred" by "ten t the power of 2."
1000 and up	As usual

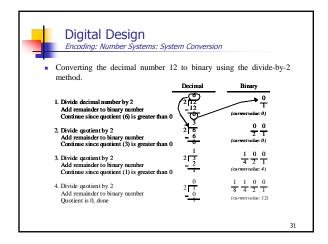


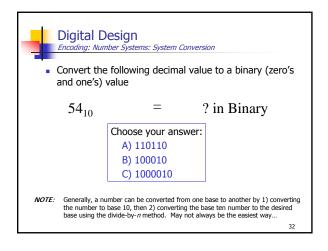




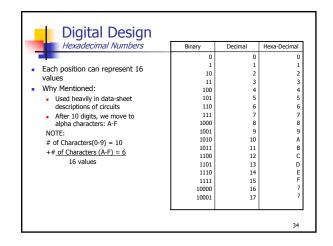


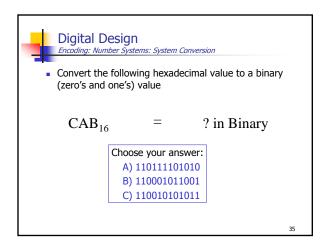


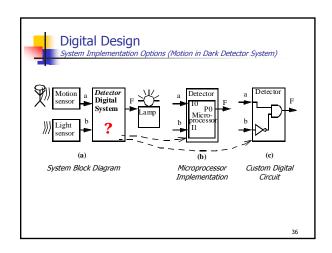


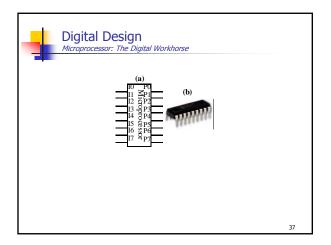


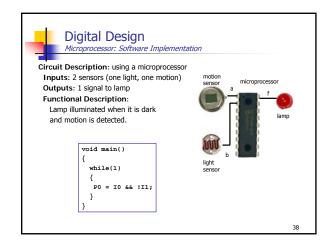
Digital Design Base 16 (hexadecimal) Number System	
$\frac{8}{16^4} \frac{A}{16^3} \frac{F}{16^2} \frac{F}{16^1} \frac{F}{16^0}$	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
	33

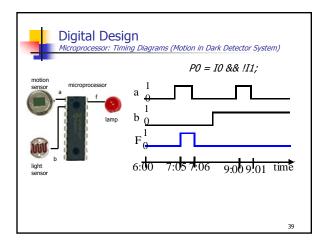


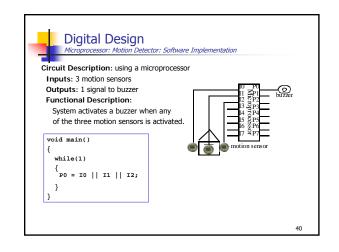


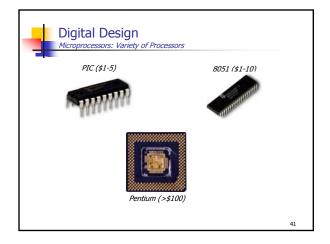


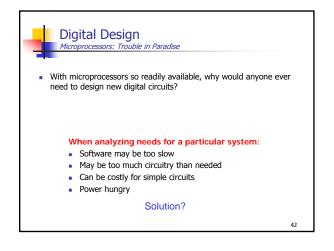




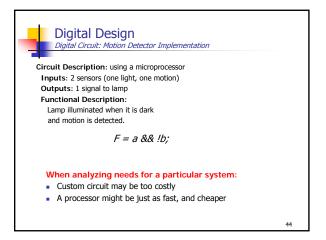


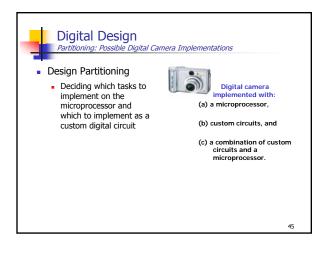


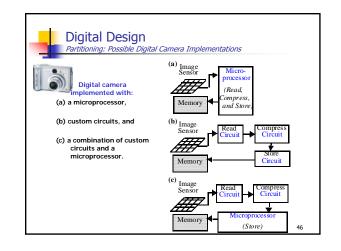


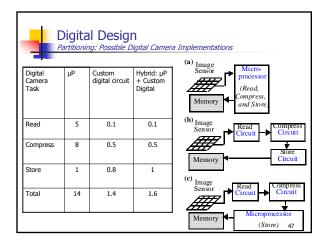


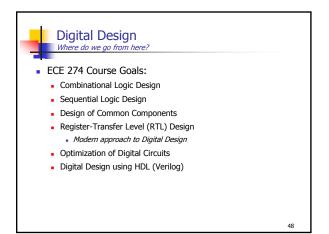
	roprocessor vs. Digit	n times (in second	s) on a
Digital Camera Task	Microprocessor	Custom digital circuit	
Read	5	0.1	
Compress	8	0.5	
Store	1	0.8	
			43











## Digital Design

 There are 10 types of people in the world: Those who get binary and those who don't.

49