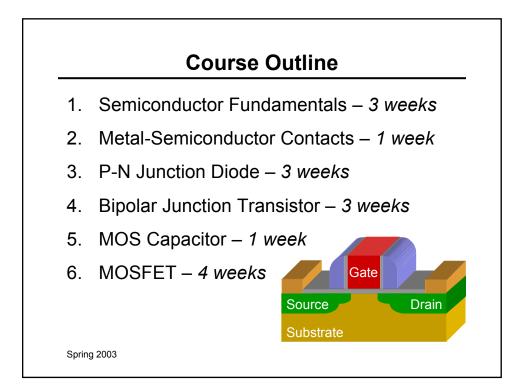
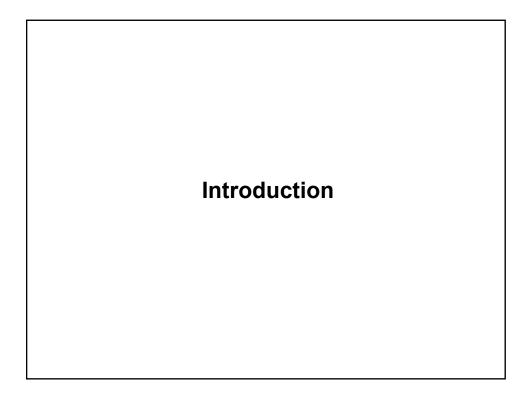
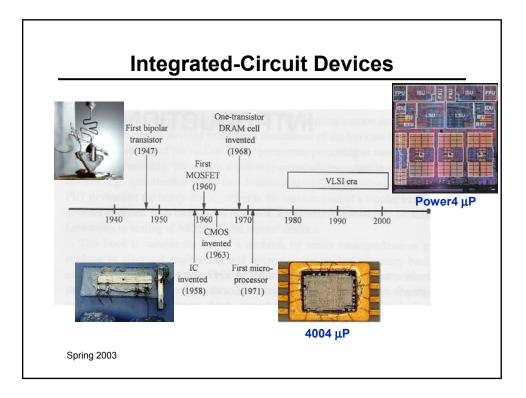
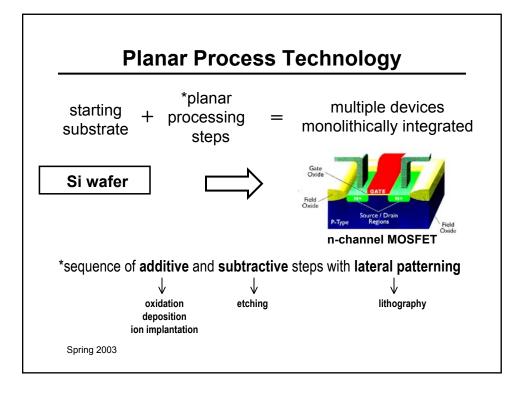
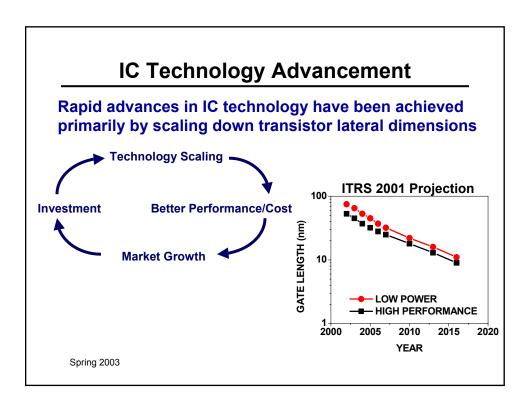
	Integrated Circuit Devices			
Instructor: P	rof. Tsu-Jae King (tking@eecs.berkeley.edu)			
	Eyoum (meyoum@eecs.berkeley.edu) Padilla (apadilla@eecs.berkeley.edu)			
Web page: Newsgroup:	http://www-inst.eecs.berkeley.edu/~ee130/ ucb.class.ee130			

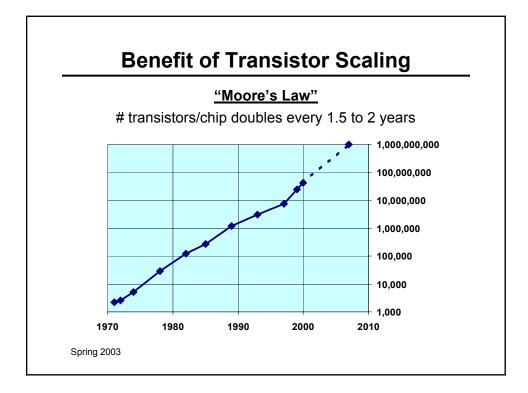




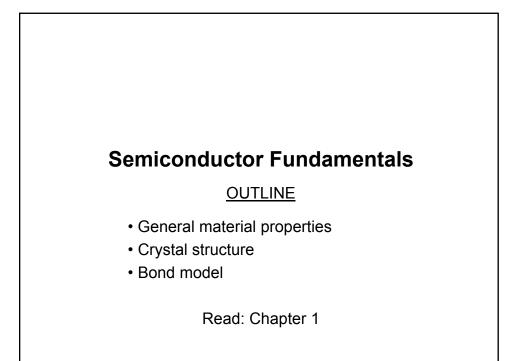


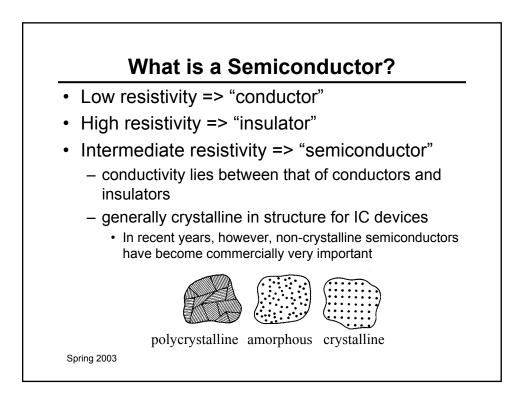


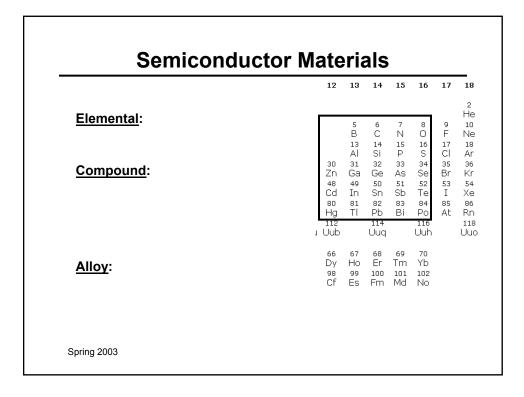


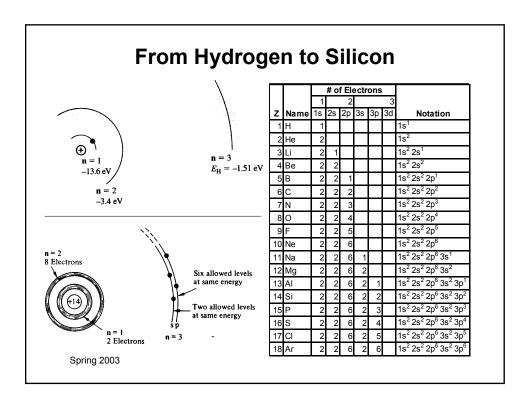


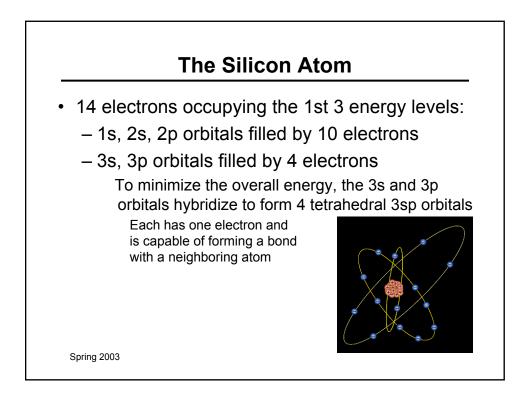
<u>Generation</u> :	<u>1.5µ</u>	<u>1.0µ</u>	<u>0.8µ</u>	<u>0.6µ</u>	<u>0.35µ</u>	<u>0.25µ</u>
Intel386™ DX Processor						
Intel486™ DX Processor						
Pentium <sup>®</sup> Processor						

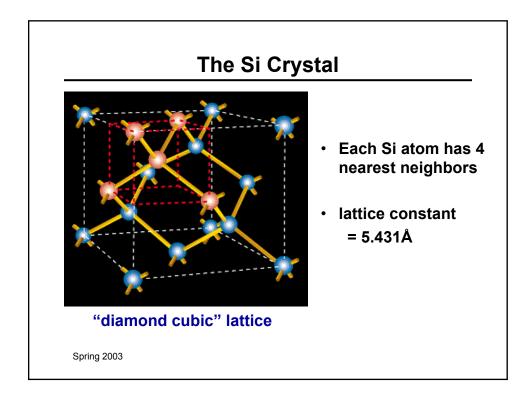


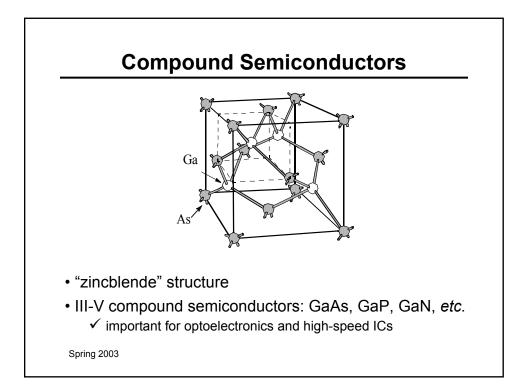


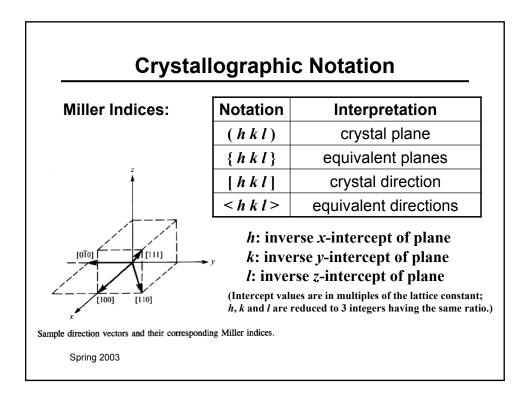


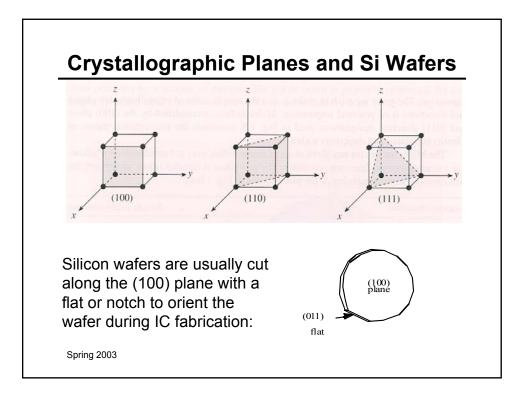


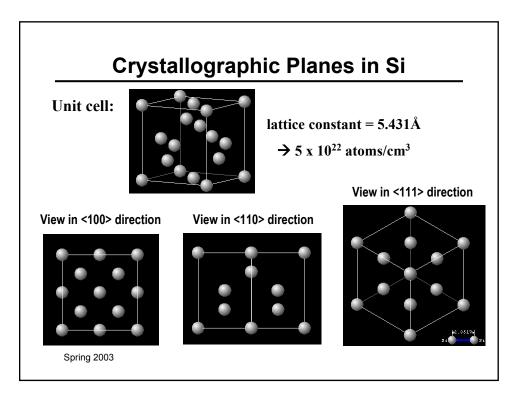


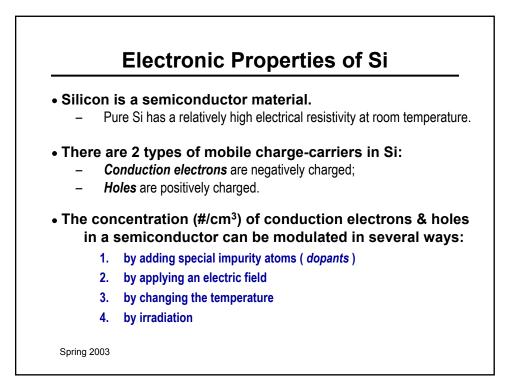












Bond Model of Ele	otrono and Ualaa
Bond Model of Ele	
2-D representation:	: Si : Si : Si : : Si : Si : Si : : Si : Si
When an electron breaks loose and becomes a <i>conduction electron</i> , a <i>hole</i> is also created.	Si Si Si Si Si Si Si Si Si Si Si
Spring 2003	

