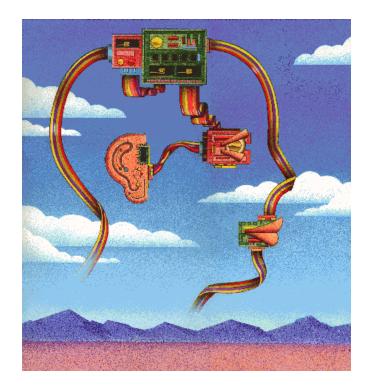
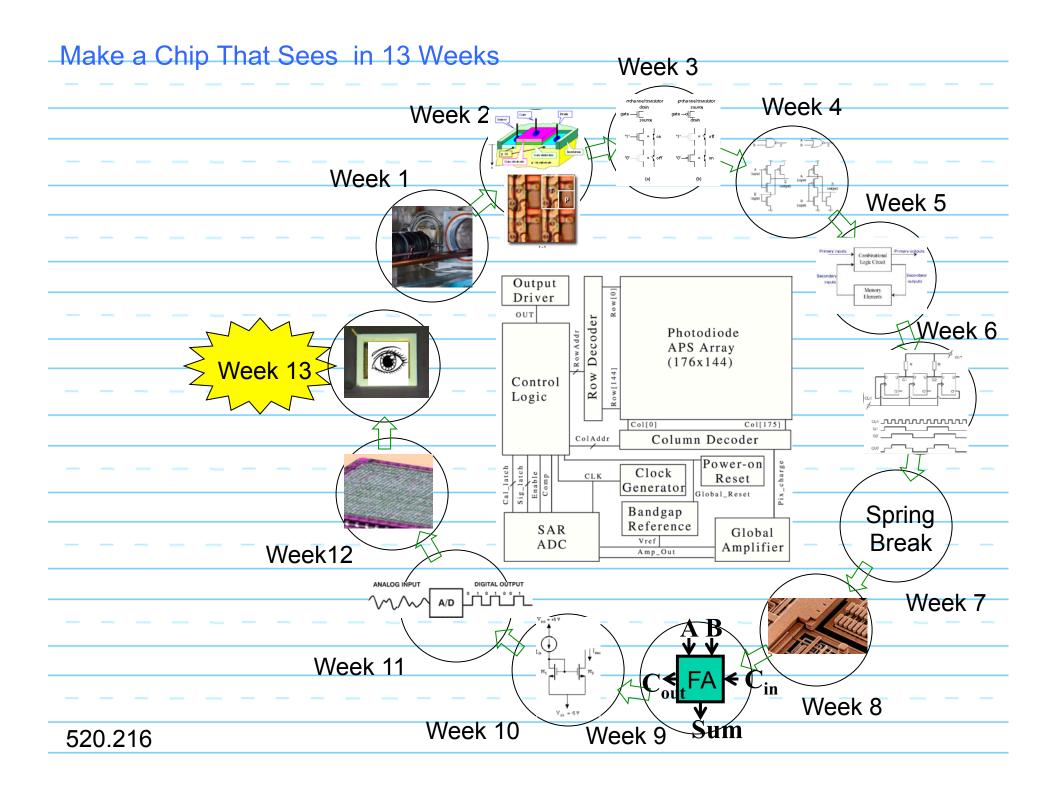




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Week 1: Silicon Manufacturing and Design Rules Notes: Week 3 Week 2 Week 4 Key Ideas: Week 5 Week 13 Week 6 Week12 Spring Break Week 11 Week 8 Week 10 Week 9 520.216

Week 2: MOS transistors, Photodetectors and Models Notes: Week 3 Week 4 Key Ideas: Week 5 Week 13 Week 6 Week12 Spring Break Week 11 Week 8 Week 10 Week 9 520.216

Week 3: MOS transistor abstraction as a switch, the inverter Notes: Week 4 Key Ideas: Week 5 Week 13 Week 6 Week12 Spring Break Week 11 Week 8 Week 10 Week 9 520.216

Week 4: Complex CMOS gates Notes: Key Ideas: Week 5 Week 13 Week 6 Week12 Spring Break Week 11 Week 8 Week 10 Week 9 520.216

Week 5: State Holding and Sequential Circuits (I) Notes: Key Ideas: Week 13 Week 6 Week12 Spring Break Week 11 Week 8 Week 10 Week 9 520.216

Week 6: State Holding and Sequential Circuits (II) Notes: Key Ideas: Week 13 Week12 **Spring** Break Week 11 Week 8 Week 10 Week 9 520.216

Week 8: Interconnects, Area, Delay and Power Notes: Key Ideas: Week 13 Week12 **Spring** Break Week 11 Week 10 Week 9 520.216

Week 9: CMOS arithmetic units Notes: Key Ideas: Week 13 Week12 **Spring** Break Week 11 Week 10 FA 520.216 Sum

Week 10: Basic analog and interface circuits Notes: Key Ideas: Week 13 Week12 **Spring** Break Week 11 Cout FA 520.216 Sum

Week 11: Data converter circuits Notes: Key Ideas: Week 13 Week12 **Spring** Break Cout FA 520.216 Sum

Week 12: System architecture and floor planning Notes: Key Ideas: Week 13 **Spring** Break Cout FA 520.216 Sum

Week 13: Final system integration in padframe Notes: Key Ideas: **Spring** Break € FA 520.216 Sum