DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

6.033—Computer System Engineering Handout 15—March 15, 1995

This handout has the revised 6.033-at-a-glance sheet. There are a couple of minor changes in the lecture and reading schedule, but there are two major important changes:

1. Quiz II moved to later in the term. The new date for quiz II is **Friday April 21**
2. Quiz III moved to later in the term. The new date for quiz III is **Wednesday May 17**

See the other side for the new 6.033-at-a-glance.

6.033 AT A GLANCE, SPRING TERM, 1995, Revision 2.0

Week of Monday	Monday Lecture	Tuesday Recitation	Wednesday Lecture	Thursday Recitation	Friday Other
2/6 - 2/10		**R1:** Gabriel, Course info ***First day of classes***	**L1:** Introduction to systems **Read:**Saltzer Ch 1	**R2:** Simon, Corbato	Writing Program **Read:**Gopen
2/13 - 2/17	**L2:** Major lessons & technology trends **Read:**Saltzer Ch 2	**R3:** Leveson, Lampson	**L3:** System organization **Read:**Tanenbaum Ch 1, Ward Ch 16 & 18	**R4:** Nucleus, Microkernels, LRPC	
2/20 - 2/24	Presidents Day	**L4:** System organization: VM **Read:**Tanenbaum Ch 3	**L5:** System organization: threads **Read:**Tanenbaum, Ch 2	**R5:** Anderson, Wahbe (sections 1-3)	
2/27 - 3/3	**L6:** System organization: concurrency **Read:**Tanenbaum 12.1	**R6:** Birrell's threads	**L7:** Networking: overview **Read:**Halstead I, Tanenbaum 10.1	**R7:** Birrell's RPC	Writing Program
3/6 - 3/10	**L8:** Networking: layers **Read:**Halstead II, Tanenbaum Ch 9	**R8:** Ethernet, Autonet (except for sections F, G, H)	**L9:** Network: routing and transport **Read:**Mobile IP	**R9:** No reading **Assigned:**Case Study 1	**QUIZ 1:** material through L8 ***Add date***
3/13 - 3/17	**L10:** Networking: E/E **Read:**Saltzer Ch 7.5	**R10:** End-to-end argument, Holy war	**L11:** Naming: overview **Read:**Saltzer Ch 5.A	**R11:** Grapevine, Tanenbaum Ch 14.2	Writing program
3/20 - 3/24	**L12:** Naming model **Read:**Saltzer Ch 5.C	**R12:** WWW, The speed of write	**L13:** Security **Read:**Ethics and the internet, Lerman	**R13:** Crisis and aftermath, SSN, Sending a signal. **Due:**Case Study 1	
3/27-3/31	***Spring vacation: have fun!***				
4/3 - 4/7	**L14:** Authentication **Read:**Tanenbaum 4.4, Needham	**R14:** Kerberos	**L15:** Authorization **Read:**Tanenbaum 4.5	**R15:** Why crypto systems fail	
4/10 - 4/14	**L16:** Certification **Read:**Saltzer Chapter 6 Appendix	**R16:** Saltzer's Protection in computer systems	**L17:** I/O devices and management **Read:**Tanenbaum Ch 5	**R17:** RAID, Digital documents **Assigned:**Case Study 2	John Markoff (NYT)
4/17- 4/21	Patriot's Day	Vacation day	**L18:** Storage systems **Read:**Tanenbaum 4-4.3	**R18:** LFS (1-3,5-5.1), LD (1-3)	**QUIZ 2:** material from R8 through R16
4/24 - 4/28	**L19:** Distributed storage systems **Read:**Tanenbaum 13-13.2.4	**R19:** Tanenbaum 13.2.5 and Coda	**L20:** Fault tolerance **Read:**Space shuttle	**R20:** Gray & Siewiorek, Plauger, Petroski	***Drop date***
5/1 - 5/5	**L21:** Transactions **Read:**Tanenbaum 11.4	**R21:** System R, Cirrus Banking	**L22:** Distributed transactions	**R22:** Weihl, Woodward **Due:**Case Study 2	
5/8- 5/12	**L23:** Complexity **Read:**Brooks Ch 12 4	**R23:** TWA, CONFIRM	**L24:** Wrapup **Read:**Brooks Ch 5 8 11	**R24:** Hints, Press	
5/15-5/19	**NO CLASS:** study!	**R25:** To be announced	**QUIZ 3:** covers L17 through R24	***Last day of classes***	***NO FINAL!***