

**Syllabus {December 7, 2010}**

|     | <b>Date</b> |    | <b>Topic</b>   | <b>Reading and Assignments</b>                  |
|-----|-------------|----|--|---|
| 1.  | Oct 26      | Tu | Objectives, Course Procedures<br>Introduction,                 | K&R 1.1, 1.2.1, 1.2.2                           |
| 2.  | Oct 29      | F  | OSI Architecture, Internet History<br>Sockets                  | Hobbs, K&R 1.7, 1.5<br>K&R 2.7, D&C 2           |
| 3.  | Nov 2       | Tu | Architecture, Network Switching                                | K&R 1.3<br><b>Wireshark #1 due at 11:59 p.m</b> |
| 4.  | Nov 5       | F  | Performance Measures<br>Introduction to Physical Layer         | K&R 1.4<br>K&R 1.2.3                            |
|     | Nov 8       | M  |  | <b>Program 1 due at 11:59 p.m.</b>              |
| 5.  | Nov 9       | Tu | Physical & Application Layer<br>HTTP                           | K&R 2.1<br>K&R 2.2                              |
| 6.  | Nov 12      | F  | DNS<br>Review  | K&R 2.5   |
| 7.  | Nov 16      | Tu | Introduction to Security<br><b>Mid Term Exam (closed book)</b> | K&R 1.6   |
| 8.  | Nov 19      | F  | Transport Layer, UDP<br>TCP,                                   | K&R 3.1-3.4                                     |
| 9.  | Nov 23      | Tu | Reliable Transport, Sliding Windows                            | <b>Program 2 due at 4 p.m.</b>                  |
| 10. | Nov 30      | Tu | Distance Vector Routing  | K&R 4.5-4.7                                     |
| 11. | Dec 3       | F  | TCP Congestion Control   | K&R 3.6, 3.7                                    |
|     | Dec 6       | M  |  | <b>Program 3 due at noon.</b>                   |
| 12. | Dec 7       | Tu | Network Layer, Link State Routing<br>Ethernet, ARP             | K&R 4.1-4.4, 5                                  |
| 13. | Dec 10      | F  | Wireless Networks, Review                                      | K&R 6.1-6.4                                     |
|     | Dec 13      | M  |  | <b>Wireshark #2 due at noon.</b>                |
| 14. | Dec 14      | Tu | <b>FINAL EXAM (closed book)</b>                                |   |
|     | Dec 16      | Th |  | <b>Program 4 due at 4 p.m.</b>                  |