CS 372 Introduction to Computer Networks  
Course Calendar* Winter 2017

*NOTE: Weeks are shown Sunday through Sunday. Assignments are due the 2nd Sunday, unless otherwise noted.  
*NOTE: Subject to change based on material pace

New Assignments in BLACK. Due Assignments in RED

<table>
<thead>
<tr>
<th>Unit / Week</th>
<th>Topics</th>
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</table>
| #1: 01/08 – 01/15 | • Basic concepts  
Lab #1 is assigned  
Weekly Summary #1 assigned  
Weekly Summary #1 due  
• Networking metrics  
• Network protocols  
• Network edge/core  
• Circuit-switching / Packet-switching  
Read K&R Chapter 1.1 – 1.4 |
| #2: 01/15 – 01/22 | • Physical media  
Lab #1 is due  
Weekly Summary #2 assigned  
Weekly Summary #2 due  
• Layering models  
• Security issues  
• Application layer  
Read K&R Chapter 1.5 – 1.8, 2.1 |
| #3: 01/22 – 01/29 | • Application layer protocols  
Lab #2 is assigned  
Quiz #1  
Weekly Summary #3 assigned  
Weekly Summary #3 due  
• Hypertext Transfer Protocol (HTTP)  
• File Transfer Protocol (FTP)  
• Mail (SMTP, POP3, IMAP)  
• Domain Name Services (DNS)  
  ▪ Network byte order  
Read K&R Chapter 2.2 – 2.4, 2.7 (2.6 optional) |
| #4: 01/29 – 02/05 | • Transport Layer  
Program #1 is assigned  
Lab #2 is due  
Weekly Summary #4 assigned  
Weekly Summary #4 due  
• Socket programming  
• Multiplexing/Demultiplexing  
• Connectionless transport  
• Connection-oriented transport  
• User Datagram Protocol (UDP)  
• Reliable Data Transfer  
Read K&R Chapter 3.1 – 3.3 |
| #5: 02/05 – 02/12 | • Reliable Data Transfer  
Lab #3 is assigned  
Program #1 is due  
Weekly Summary #5 assigned  
Weekly Summary #5 due  
• Transmission Control Protocol (TCP)  
• Flow control  
Read K&R Chapter 3.4 – 3.5 |
<table>
<thead>
<tr>
<th>Week #</th>
<th>Dates</th>
<th>Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6</td>
<td>02/12 – 02/19</td>
<td>Lab #3 is due, Weekly Summary #6 assigned, Weekly Summary #6 due.</td>
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<td>Congestion control, Fairness, Network layer. Read K&amp;R Chapter 3.6 – 3.8.</td>
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<td>Midterm Exam</td>
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<td><strong>Midterm Exam</strong> (Available Thursday – Sunday only)</td>
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<tr>
<td>#7</td>
<td>02/19 – 02/26</td>
<td>Lab #4 is assigned, Program #2 is assigned, Weekly Summary #7 assigned, Weekly Summary #7 due.</td>
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<td>Virtual circuits, Internet protocols, Datagram routing, Internet Protocol (IPv4), Classless Inter-Domain Routing (CIDR), Dynamic Host Configuration Protocol (DHCP). Read K&amp;R Chapter 4.1 – 4.3.</td>
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<tr>
<td>#8</td>
<td>02/26 – 03/05</td>
<td>Quiz #2, Lab #4 is due, Weekly Summary #8 assigned, Weekly Summary #8 due.</td>
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<td>Routing algorithms, Fragmentation, Internet Control Message Protocol (ICMP), Network Address Translation (NAT, NAPT). Read K&amp;R Chapter 5.1 – 5.3, 5.6.</td>
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<tr>
<td>#9</td>
<td>03/05 – 03/12</td>
<td>Lab #5 is assigned, Program #2 is due, Weekly Summary #9 assigned, Weekly Summary #9 due.</td>
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<td>Internet Protocol (IPv6), Link Layer, Network interfaces, Multiple Access protocols, MAC addresses, Address Resolution Protocol (ARP), Local Area Networks (LAN), Ethernet. Read K&amp;R Chapter 6.1 – 6.4, 6.7.</td>
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<td>#10</td>
<td>03/12 – 03/19</td>
<td>Lab #5 is due, Weekly Summary #10 assigned, Weekly Summary #10 due.</td>
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<td>#11</td>
<td>03/19 – 03/22</td>
<td>Finals Week, Weekly Summary #10 assigned, Weekly Summary #10 due.</td>
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<td>Final Exam (Available Sunday – Wednesday only)</td>
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