ECSE-6600 Internet Protocols.
Spring 2001 Schedule:

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JANUARY:

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Jan 8:  Lecture 1: Course Introduction, Review of networking, (chap 1,2)

Jan 11: Lecture 2: Review of networking, Internetworking, (chap 2,3)

January 15:  Martin Luther King Jr. Day. No classes. Staff holiday.

Jan 18: Lecture 3: Internetworking Architecture, IP
       [Pre-taped and Delivered on TV: instructor away]

January 22  Last day for graduate and undergraduate students to add courses
or change sections without appeal or to put courses on Audit.
Jan 22: Lecture 4:  IP: addresses, fragmentation  (chap 3, 11.5)
       Jan 22: INFORMAL QUIZ 1
       Jan 22: Lab 1 assigned
       Jan 22: Homework 1 assigned

Jan 25: Lecture 5: Address Resolution (ARP & RARP), UDP  (chap 4,5, 11)

Jan 29: Lecture 6: TCP (chap 11,17,18);
       Jan 29th: Homework 1 due
       NOTE: Homework 1 Solutions + Grading policy posted by Feb 1st
       [No more late submissions accepted after Feb 1]

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Feb 1: Lecture 7: TCP data flow & Congestion control (chap 19,20,21)

**Feb 1: INFORMAL QUIZ 2**

Feb 5: **EXAM 1;** mini-lecture: (TCP catchup)

   NOTE: Graded Homework 1 returned on Feb 5th
   NOTE: EXAM 1 Solutions + Grading policy posted by Feb 6th

Feb 8: Lecture 8: TCP contd, ICMP (chap 22,23,24)

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**February 12:** Students receive no tuition refund for courses dropped after this date.

Feb 12: Lecture 9: Routing : RIP,OSPF (chap 9, 10)

   **Feb 12: Lab 1 due,**
   **Feb 12: Lab 2 assigned**

   NOTE: Graded EXAM 1 returned on Feb 12th

Feb 15: Lecture 10: Routing: EGP, BGP, CIDR (chap 10+)

   **Feb 15: INFORMAL QUIZ 3**

   **February 19:** No classes. Staff holiday.

   **February 20:** Classes resume. Follow Monday class schedule.

Feb 20: Lecture 11: Routing (contd: slack)

   NOTE: Graded Lab 1 returned on Feb 20th

Feb 22: Lecture 12: Name Resolution: DNS (chap 14)

Feb 26: Lecture 13: Configuration/Network Mgmt (BOOTP, DHCP, SNMP, RMON)

   **Feb 26: Lab 2 due {2 week time}**
   **Feb 26: Homework 2 assigned**

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February 20: Classes resume. Follow Monday class schedule.
MARCH:

Mar 1: Lecture 14: Multicast: IGMP, MBONE, Mcast routing (chap12,13+)

**March 1: INFORMAL QUIZ 4**

Mar 5: **EXAM 2**: Mini-lecture (Slack on Multicast)

   NOTE: Graded Lab 2 returned on March 5th

   NOTE: EXAM 2 Solutions + Grading policy posted by March 6th

   **March 6:** Last day for undergraduates to drop a course.
   Last day for graduate students to drop courses without appeal.

Mar 8: Lecture 15: Multicast (contd) Mcast transport, deployment (chap12,13+)

   NOTE: Graded EXAM 2 returned on March 8th

   **March 8th:** Homework 2 due

   **March 8th:** Case Study Proposals Due.

   NOTE: Homework 2 Solutions + Grading policy posted by March 9th [No more late submissions accepted]

   **March 9:** Spring recess begins after last class.
   Contract dining halls close after dinner.

   **March 10-18:** Spring Break

   **March 19:** Classes resume. Contract dining halls open with breakfast.

   NOTE: Graded Homework 2 + Comments on Case study proposal returned on March 19th

Mar 19: Lecture 16: IP next generation (IPv6)

   **March 19: INFORMAL QUIZ 5**

Mar 22: Lecture 17: IP next generation (IPv6)

Mar 26: Lecture 18: Beyond Best Effort: (RTP, RSVP, integrated, differentiated svcs)

   **March 26th:** Homework 3 assigned

Mar 29: Lecture 19: Security: Firewalls, IPSEC, VPNs
APRIL:

Apr 2: Lecture 20: Broadband: WDM, IP over ATM & SONET, MPLS, Voice over IP
April 2: INFORMAL QUIZ 6
April 2: Homework 3 due

April 4: No classes.

Apr 5: Lecture 21: Broadband: WDM, IP over ATM & SONET, MPLS, Voice over IP (contd)
   NOTE: Homework 3 Solutions + Grading policy posted by Apr 5th
   [No more late submissions accepted after April 5th]
   April 5: Case study due

Apr 9: Lecture 22: Broadband: Optical Networking
   NOTE: Graded Homework 3 returned on April 9th

Apr 12: Lecture 23: Mobile IP, Wireless technologies

Apr 16: Lecture 24: Internet Economics
April 16: INFORMAL QUIZ 7
   NOTE: Graded Case Studies returned on April 16th

Apr 19: Lecture 25: Slack + review

Apr 23: EXAM 3
   NOTE: EXAM 3 Solutions + Grading policy posted by April 24th

April 25: Classes end after last evening class.

NOTE: EXCEPTION: Graded EXAM 3 and Final Grades ready on April 26th

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