Lecture Schedule

The following schedule is tentative and subject to change as the instructor deems necessary.

|  |  |
| --- | --- |
| **Week of** | **Topics/Activities** |
| 10 September |  Review of the TCP/IP protocol suite. Review of Ethernet and CSMA/CD medium access control.  |
| 20 September | IEEE 802.11 and CSMA/CA medium access control.(Reading assignment: Point Coordination Function)Review of TCP |
| 24 September | Review of IP and Internet routing protocolsRouting in MANETs: DSR |
| 1 October | Routing in MANETs: AODV (Reading assignment: IEEE 802.11-based WMNs)IP multicast (QualNet tutorial: October 4) |
| 8 October | Multicast routing in MANETs (MAODV, ODMRP) Routing in WMNs. Multi-channel multi-radio (MCMR) networks. |
| 15 October | TCP in MANETs - Split TCP  Presentation skills - Writing skills |
| 22 October | Multi-rate transmission – RBARMedium time metric |
| **29 October**31 October | **Test 1***Halloween – No class* |
| **5 November****7 November** | **Research paper presentations – Session 1** |
| **12 November****14 November** | **Research paper presentations – Session 2****Research paper presentations – Session 3***8 November: last day to drop courses* |
| **19 November****21 November** | **Research paper presentations – Session 4**Network security basics |
| 26 November28 November | IEEE 802.11 wireless security**Project design presentations**  |
| **3 December****5 December** | **Test 2****Presentations of final projects -** Multicast routing in WMNs*6 December: last day of Fall term classes* |

Notes:

**4 October** **QualNet tutorial** (tentative)

**1 November Preparation meetings for Sessions 1 and 2**

**8 November Preparation meetings for Session 3**