Lecture Schedule

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

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| **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 protocols  Routing 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 – RBAR  Medium 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 November  28 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**