

CS4516 D12

Advanced

Computer Networks



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Course Objectives



**Advanced Computer Networks
Term D12**

Course Objectives

1. To fill holes in computer networks concepts not covered in CS3516 during B10 and B11.
2. To provide more in-depth treatment of some networking concepts.
3. To develop an understanding of modern network architectures from a **design** and **performance** perspectives.

Course Objectives

4. To further clarify networking terminology.
5. To cover **Physical Layer** topics.
6. To provide an opportunity to do more socket network programming using TCP/IP.
7. To give the students experience working in programming teams.

Course Objectives

8. To expose students to emerging technologies (particularly wireless networks) and their potential impact.
9. To provide a wireless sensor programming experience using TelosB motes.
10. To introduce network security topics.