Advanced Computer Networks
CS4516 D11

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Course Objectives
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1. To fill holes in computer networks concepts not covered in CS3516 during B09 and B10.

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.
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.
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.