



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Computer Networking and Internet Technologies

CSE 3461

Credit Hours:

3.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

Computer networks, communication protocols, Internet TCP/IP and applications, wireless communications and network security.

Prerequisites and Co-requisites:

Prereq: 2421; or 3430; or 2451 and ECE 2560; and enrollment in CIS, CSE, ECE, Engr Physics, or Data Analytics major. Prereq or concur: 2431 or 3430.

Course Goals / Objectives:

- Be competent with the basics of data communications and network architecture
 - Be competent with network layer control and protocols
 - Be competent with link layer control and protocols
 - Be competent with using the TCP/IP protocol suite
 - Be familiar with using high speed LANs
 - Be familiar with various internetworking technologies
 - Be exposed to designing advanced communication protocols
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Course Topics:

- Internet
 - Internet application, TCP and IP layers
 - Internet data link and physical layers
 - Wireless networks
 - Network security
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Designation:

Elective