

Notes for ECE 46300 - Introduction To Computer Communication Networks

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Course Description

An introduction to the design and implementation of computer communication networks. The focus is on the concepts and the fundamental design principles that have contributed to the global Internet success. Topics include: digital transmission and multiplexing, protocols, MAC layer design (Ethernet/802.11), LAN interconnects and switching, congestion/flow/error control, routing, addressing, performance evaluation, internetworking (Internet) including TCP/IP, HTTP, DNS etc. This course will include one or more programming projects.

Introduction

The high-level question this course will answer is "how do computers reliably communicate?"

Have you heard the joke about UDP?
It's okay if you don't get it.