Syllabus
ENGR 661: Computer Networks II
Spring 2011

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Course:

Catalog description: Continued analysis of loosely coupled computer communication, constraints on intercomputer communication, communication protocols, and network services. LAN data link protocols, transport services, and other high-level network functions are examined in detail.

Corequisites: None
Prerequisites: Minimum grade of C in ENGR 561
Credit(s): 3
Lecture: MWF 1:00PM - 1:50PM, Weir 106


Outcomes/Objective:

Upon completion of this course students should be able to:

• implement sophisticated distributed networking applications
• develop distributed application protocols

Grading:

Introductory Projects: 40%
Final Project 50%
Class Participation 10%

Introductory Projects: There will be approximately three introductory projects that will be completed in the first half of the semester. These projects will teach the basic concepts of writing networked programs in C.

Final Project: The final project will be to implement a peer-to-peer networking protocol designed by the the class. Each student must implement their own peer-to-peer network client that conforms to protocol and works in collaboration with each of the other student’s projects. This project will be due at the end of the semester and will be graded in part by participation in the design of the protocol.