

IS473: Net-Centric Computing

- Credit Hours (lecture, lab, tutorial): **3** (3 + 0 + 1)
- Prerequisites: IS370 + CSC227.

Course content: In this course the following topics are covered: principles of distributed computing, the Internet as a huge computer system, distributed computing models: client-server model, multiple-server model, mobile agents model, and computer networks, TCP applications, IP layer applications, socket management, inter-process communication, UNIX case study, distributed object oriented architectures; design issues, building applications in client-server architecture, introduction to distributed file systems, name servers, modern trends in distributed computing.