

# Global Learning Semesters

## Course Syllabus

Course: COMP-435 Info Tech Arch & Telecom

Department: Computer Science

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
<b>Course Code</b>	<b>Course Title</b>	<b>Recommended Credit Hours</b>
COMP-435	Info Tech Arch & Telecom	3
<b>Semester Offered</b>	<b>Contact Hours</b>	<b>Prerequisites</b>
Please contact us	42-45	Junior or Senior Standing
<b>Department</b>	<b>Level of Course</b>	<b>Language of Instruction</b>
Computer Science	Upper Division	English

### Course Description

This course examines the various information technology architectures and the utilization of telecommunications technology in an organization. It discusses both local and wide area networks (LAN, WAN) and the state-of-the-art distributed and client/server architectures. Students are introduced to Intranet and Internet and to the benefits and advantages that organizations gain from exploiting them. The importance of the managerial decision making side of networks and telecommunications is addressed and the abilities for effectively managing a business relying on such technology are discussed.

### Prerequisites

Junior or Senior Standing

### Topic Areas

1. Data communications concepts and technology.
2. Business applications of telecommunications.
3. Local Area Networks (LAN) and Wide Area Networks (WAN).
4. Network topologies and architectures, management issues for networks.
5. Distributed systems, client-server architectures, open system and standards.
6. Intranet and office automation.
7. Internet and business applications.
8. Managing the intranet and Internet sides.
9. Security, regulations and legislation.
10. Managing telecommunications and telecommunications projects.

### Readings and Resources

#### Required Textbooks

- Car, Houston and Snyder, Charles. The Management of Telecommunications: Business Solutions to Business Problems. McGraw-Hill, 1997
- Simon, Errol. Distributed Information Systems: From Client/Server to Distributed Multimedia. McGraw-Hill, 1997.