

# Principles of Information Management

## Overview

Principles, applications, and administration of information systems focusing on business telecommunication concepts and terminology. Course content includes decentralized processing, communications links, and communications-oriented hardware and software. The course also provides an introduction to network architecture and related concepts.

In addition to class lectures and demonstrations, students will work through a series of structured "hands on" activities. Here, students will gain a first hand knowledge of communication concepts. Laboratory tools utilized will include standard TCP/IP utilities, protocol analyzers, and network mapping tools.

## Goals

*At the end of this course, students will be able to:*

- Explain how business requirements have shaped the merging of computing and communications technologies.
- List and define common information systems and communications concepts.
- List, define, and explain basic data/telecommunications terminology.
- List and explain the role of key telecommunication regulatory and technical groups including the IETF, ISO, IEEE, and the ITU.
- Articulate and explain key Internet and intranet technologies.
- Construct and explain the ISO/OSI and TCP/IP networking models.
- Explain how telecommunications and databases facilitate ebusiness.
- Analyze and evaluate organizational networking applications.
- Know how and where to seek further information concerning advanced data/telecommunication topics.
- Evaluate, analyze, and select different options within an organization's data/telecommunications infrastructure.
- Define and explain operational implications of enterprise telecommunications management in regulatory, security, and privacy contexts.
- Be well prepared for continued IST studies.

## Prerequisites

In addition to college prerequisites, each student is expected to have the skills normally associated with an Information Systems Technology Major. Skills include the ability to plan projects, meet deadlines, solve technical problems, and to troubleshoot language syntax.

## Required Texts

Goldman and Rawles, Applied Data Communications: A Business-Oriented Approach, Fourth Edition, Wiley, 2004. ISBN 0-471-34640-3

*Texts supplemented with outside and online materials.*

## Evaluation

Final grades are a product of a process that includes examinations, projects, class activities, quizzes, and lab work. Projected criteria and weights include:

Class Project	15%
Homework/Class Activities/Quizzes	15%
Online Journal	15%
Tests	55%

## Class Meetings

Attendance is expected at all class meetings. Activities missed due to absence cannot be made up. Note that policy permits dropping students that miss an excessive number of classes.

Punctuality is a value. When there are quizzes, they will be given at the start of class. Late or absent students can not make up quizzes. Students that are absent or excessively (15 minutes) late cannot earn credit for that period's work.

Often, work done in one class period will be modified in another. A previous failure to maintain timely class work does not excuse a student from a current assignment.

Arrangements for missing an exam can only be made prior to the exam. **Note** Makeup exams are not an option.

## Class Interruptions

During class time, mobile phones, pagers, and similar devices must have their audible alarms turned off. Failure to observe this rule will result in the student being asked to leave class. Repeated failure will result in the student being dropped from the class roll.

ITEC 3347 meets in Bldg. T2, Rm 202	Section #12345	Thursday 7:00 – 10:00 p.m.
Ed Crowley	Bldg. T2, Rm. 337	713-743-4096
<a href="http://angelfire.com/tx/netessentials">angelfire.com/tx/netessentials</a>	OCTE4390@ Yahoo.com	Office Hours As posted or by appointment.