

COURSE OUTLINE OF RECORD

Dept., Number	CSC 1307	Course Title	Introduction to Computer Technology
Semester Hours	3		
Year	2006	URL (if any):	

Current Catalog Description:

This course provides an introduction to the skills, concepts and capabilities you need to become immediately effective in the Information Technology world. Topics include the history and overview of computer hardware and software. It provides more advanced exposure to commonly used software, including database programming, spreadsheet functions, computer graphics applications design, desk-top publishing, ethics, security and other applications. Laboratory work required. *Prerequisite:* Enrollment in the Information Technology Major

Textbook:

Textbook: Fluency with Information Technology: Skills, Concepts, & Capabilities - Second Edition, Addison Wesley 2006, ISBN: 0-321-35782-5.

Course Goals:

To provide students with the skills to:

1. Become Fluent with Information Technology.
2. Learn to become effective users immediately and to prepare them for life-long learning.
3. Have facility in using some of the widely used computer software that is available for microcomputers.
4. Know some sources of information about new software and the relative merits of different software.
5. Know what kinds of applications to use with different types of software packages.
6. Feel sufficiently confident about using computers to tackle the job of learning a new piece of software for a computer at school, home or work.

Prerequisites by Topic: Enrollment in the Information Technology major

Major Topics Covered in the Course (number of weeks):

I	Becoming Skilled at Information Technology (Part I: Chapter 1–Chapter 5)	12.0
II	Learning Algorithms and Digitizing Information (Part II: Chapter 7–Chapter 11)	7.5
III	Data and Information (Part III: Chapter 12-Chapter 15)	12.0

Laboratory Projects:

Labs based on tutorials from the text, as assigned by instructor.

Term Projects will be using applications from the text. Each project will have a three week timeframe.

Estimate Curriculum Category Content (Semester hours)

Area	Core	Advanced	Area	Core	Advanced
Algorithms			Data Structures		
Software Design			Prog. Languages		
Comp. Arch.					

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Oral and Written Communication:

Social and Ethical Issues:

Theoretical Content:

Problem Analysis:

Open-Ended Design: