

**University of Computer Studies (Thaton)**  
**2024-2025 Academic Year**  
**First Year (B.C.Sc. / B.C.Tech.)**  
**Lecture Plan**

**CST-1102 Principle of Information Technology**

**First Semester**

**Textbook** : “Using Information Technology: A Practical Introduction to Computers and Communications”, 11<sup>th</sup> Edition, by William Sawyer

**Prerequisite** : NIL

**Credit Unit** : 1.5 ACUs (FCS - 50%)

**Periods** : 32 periods for 16 weeks (2 periods \* 16 weeks) ( 1 period -1 hr)

No.	Topics	Week	Remark
	<b>Chapter 1 Introduction to Information Technology</b>	Week 1+2+3+4	
1.	The two parts of IT: Computer and Communications		
2.	The “All-Purpose Pervasive		
3.	The two parts of IT: Computer and Communications Infotech Is All pervasive		
4.	Understanding your computer		
5.	Information Technology Headed		
	<b>Chapter 3 Software</b>	Week 5+6	
6.	System Software		
7.	Application Software		
	<b>Chapter 7 Personal Technology</b>	Week 7+8	
8.	Convergence, Portability and Personalization Portable media players		
9.	High-Tech Radio-Digital Cameras		
10.	Personal Digital Assistants and Tablets PCs The New Television, E Book Readers, Smart Phones, Videogame Systems		
	<b>Chapter 8 Database and Information System</b>	Week 9 + 10+11+12+13	
11.	Managing Files: Basic Concepts		
12.	Database Management System Database Model		
13.	Data Mining		
14.	Database and the Digital Economy: E-Business& E-commerce		
15.	Information System in Organization		
16.	Artificial Intelligence		

No.	Topics	Week	Remark
	<b>Chapter 10 System Analysis and Programming</b>	Week 14+15+16	
17.	System Development		
18.	Programming: A Five-step Procedure		
19.	Programming Languages used today		
20.	Object-Oriented and Visual Programming		
21.	Markup and Scripting Languages		

#### Assessment Plan for the Course

Assignment/Tutorial	10%
Quiz	10%
Exam	30 %