

KATHMANDU UNIVERSITY SCHOOL OF MANAGEMENT
BBA/BBIS
Course Syllabus

Course Title		INFORMATION SYSTEMS TECHNOLOGY
Course Code Number		COM 240
Credit Hours		3
Course Objective		
Main Objective		The objective of the course is to develop understanding on the basic concepts and applications of Information Technology in organizations.
Course Outcomes		<p>After completion of all the learning units and the requirements of the course, students will be able to:</p> <ul style="list-style-type: none"> • Develop understanding of information technology used in business; • Build knowledge about different computer hardware used in business; • Build the concept of different software used in business; • Build the concept of how organizational data is managed; • Develop understanding of how computer network works and how it is beneficial to business. • Develop understanding of emerging technology which produces organizational benefit. • Understand how information systems are prone to risk and how it can be safeguarded. • Develop hands on experience of basic IT application used in business.
Learning Unit		
Learning Unit One Net Contact Hours -6 hrs		1. Information Technology and Business Business in the information age; Information systems; Organization structure and IT support; Evolution and types of information systems; IT for business, IT for individuals. Computers in past and present, computers for every need.
Learning Unit Two Net Contact Hours – 16 hrs		2. IT Infrastructure
Learning Unit 2	2.1 Net Contact Hours – 2 hrs	2.1 Computer Hardware Hardware; Input/output - for business and for individuals, Processing- CPU, Memory, Storage-types of storage devices, Strategic hardware issues.
Learning Unit 2	2.2 Net Contact Hours – 4 hrs	2.2 Computer Software Software for business; Open source vs. Close source; Systems and utility software; Application software; Software issues; Programming languages; new trends in software , software for mobile devices, software on the web, utility programs.
Learning Unit 2	2.3 Net Contact Hours – 4 hrs	2.3 Database concept Basics of data arrangement and access; Traditional file environment; Databases: Modern approach; Database management systems, Logical data models; approaches to manage data.
Learning Unit 2	2.4 Net Contact Hours - 6 hrs	2.4 Telecommunication and Networks Telecommunications systems; Networks; Network communications software; data transmission characteristics, networking media, communication protocols, Network processing strategies; Telecommunications applications.

Learning Unit Three Net Contact Hours - 4 hrs	3. Web and emerging technology Internet and its evolution; Operation of the internet; World wide web; Internet; Intranets, extranet, web 2.0, cloud computing, green computing, virtual computing,
Learning Unit Four Net Contact Hours - 6 hrs	4. Computer security and privacy Information security and control, Unauthorized Access and Unauthorized Use, Protecting Against Unauthorized Access and Unauthorized Use, Computer Sabotage and protection, Cyberbullying, Cyberstalking, and Other Personal Safety Concerns,
Learning Unit Five Net Contact Hours - 16 hrs	Practicum session for Application software for business. 1. Advance feature of Word Processor 2. Spreadsheet, 3. PowerPoint, 4. Database management system, 5. Internet and web
Total Contact Hours	48 hrs (excluding assessment and final examination)
Basic Text	Morley, D., & Parker, C. S. (2014). <i>Understanding Computers Today & Tomorrow</i> 14th ed. Cengage Learning.
Other References	1. Efraim Turban, R. Kelly Rainer, Jr. Richard E. Potter, <i>Introduction to Information Technology</i>, 2005, John Wiley & Sons (Asia) Pte Ltd. 2. Steven Alter (2001), <i>Information Systems: A Management Perspective</i> , 3 rd edition, Pearson Education Asia.
Evaluation Scheme	In-Semester evaluation 50% including lab work End-Semester evaluation 50% Total 100%

Updated February 2017