



LEAD CITY UNIVERSITY
Faculty of Arts and Education
Department of Library & Information Science

COURSE DETAILS

Course Code: LIS 217
Course Title: Introduction to Information Technologies
No. of Units: 3
Status: Compulsory

LECTURER(S) DETAILS

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Area of Specialization: Emerging Technologies in Libraries, Digital Library

COURSE DESCRIPTION:

Information technology basics; components, computer technology, hardware: memory, CPU, Software. Library automation, CD ROM technology. Communications and networks technology, topologies, Internet and WWW, E-business, system software and applications, information system: analysis and development. The application of information technology in different contexts, such as in library.

COURSE OBJECTIVES

The goal of Introduction to ICT is to provide students with an understanding of information and communication technologies (ICTs). This course will provide students with a firm foundation in ICT, the concepts, types, applications and management.

ASSESMENT

Class Attendance	10 marks
Test(s) and Assignments	30 marks
Final Examination	60 marks

LECTURE PLAN

Week	Topic
Week 1	Overview of the Course
Week 2	Information Technologies: Concept and Meaning
Week 3	Benefits of Information Technologies in Libraries
Week 4	Computer Technology: Hardware: Input devices; Processing Devices; Output Devices
Week 5	Computer Technology: Software: Software – Systems Software, Applications Software
Week 6	Library Automation: Computerization of Library Housekeeping Operations
Week 7	Computerised Information Services
Week 8	CD ROM Technology
Week 9	Communications Technology
Week 10	Network Technology; Network Topologies
Week 11	Internet: Genesis, Growth and Development
Week 12	The World Wide Web
Week 13	Electronic Libraries; Digital Libraries; Virtual Libraries
Week 14	Revision

READING LIST

1. Aina, L.A. 2004. Library and Information Science Text for Africa. Ibadan. Third World Information Services Ltd.
2. Galhotra, M.K. 2008. Information Technology in Library and Information Services. New Delhi, Ess Ess Publications, 330p.
3. Dromey, R.G. (1994) A model for software product quality.
http://www.sqi.gu.edu.au/docs/sqi/technical/Model_For_S_W_Prod_Qual.pdf (25 February 2015)
4. Hollander, N. (2000) A guide to software evaluation and selection. New York: American Management Association pp. 2-33
5. Karetzky, S. (1998) Choosing an automated system. Library Journal, 123(11): 42
6. LISWiki Criteria for evaluation of library software packages.
http://liswiki.org/wiki/Criteria_for_evaluation_of_library_software_packages (5 February 2009)

TUTORIAL QUESTIONS

1. (a) Define information Technology.
(b) What are the five components of information technology?
(c) What are the benefits of Information Technologies in the Libraries functions?
2. (a) Define Hardware
(b) Categorise computer Hardware into:
(i) Input devices (ii) Process devices (iii) Output devices
(c) Define Software
(d) Write notes on Systems Software and Application Software.
3. (a) What is Library Automation.
(b) Discuss four major functions of library to be automated.
4. Write short note on how computer could be used in the following library services:
(a) Acquisition (b) Cataloguing (c) Circulation (d) Serials (e) Internet services
5. (a) What is CD-ROM and its usefulness in the library.
(b) Describe the following types of CD-ROM:
(i) CD-ROM R, (ii) CD-ROM R/W (iii) DVD, (iv) DVD RW
6. (a) What is communication technology?
(b) Define Networking (ii) Identify the types of Networking (iii) Describe Network Topology
7. (a) What is Internet?
(b) Define the followings: (i) Browser,(ii) Web-address, (iii)Search Engine (iv) WWW
8. (a) What is electronic mail.
(b) What is the usefulness of e-mail in the library?
9. Define and differentiate between: Electronic library, Digital Library and Virtual Library.
10. Provide elaborate details of processes involved in library automation