

MAKERERE UNIVERSITY BUSINESS SCHOOL
FACULTY OF COMPUTING AND MANAGEMENT SCIENCE
DEPARTMENT OF BUSINESS COMPUTING

Course Outline

Programme : Bachelor of Business Computing(BBC)
Course : Information Systems Development and Management
Semester : II
Year : II
Academic Year : 2018/2019
Facilitators : Namataba Josephine, Watsemba Aisha, Mutebi Bashir,
Magala John

Learning Goal

To expose students to information systems design, development and management concepts and the application of modern tools in implementing appropriate information systems for local organizations.

Objectives

By the end of this course, a student should be able to:

- Explain the common terminologies used in information systems
- Describe the information requirements of different levels of management and explain how computerized information system can be developed to support the business objectives of an organization.
- Explain the methodologies that can be used to develop computerized information system.
- Discuss the impact of the information systems development on the organization and its environment.
- Develop an understanding of data, information and computer user security in the digital era.

Learning Outcomes

- Skills in information systems development
- Ability to align information systems objectives to organization's business objectives
- Awareness in data, information and user security in computerized environment.

Duration: 60 Hours

Delivery Methods: Lectures, Practical, Group work

Assessment

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| 1. Course Works | 30% |
| 2. Final Exam | 70% |

Content

No	Topic	Week	Facilitator
1	Introduction - Definitions – Data, Information, IT, IS and IM - IS Overview - Qualities of a good information - Role of information systems - Information Processing - Information system framework - Components of an information system - IS activities - Types of IS, operational & mgt support systems - Evolution of IS	1-2	Namataba J,Aisha
2	Electronic Business Systems - Cross-functional information systems - Enterprise resource planning - Customer relationship management - Supply chain management - Online transaction processing - Enterprise collaboration	3-6	Namataba J,Aisha
	Coursework1		
4	Information Systems Development - Systems development lifecycle - Systems development methodologies - Waterfall model - SSADM - RAD - Prototyping - Spiral	7-10	Namataba J,Aisha
5	Information system project management - Project planning, understanding requirements, breaking down work, quality management - Scheduling resources, scheduling, budgets - Monitoring progress, exercising control and reporting progress	11-12	Namataba J,Aisha

6	IS Management - Security, ethical and societal challenges - Computer crime in business - Privacy issues - Other challenges - Health issues - IS ethical responsibility - Security management - Data, computer and user security - Systems maintenance	12-13	Namataba J,Aisha

References

1. Computers and Information systems by O'Leary and Williams.
2. Systems Analysis and Design by J Kendall 2007, 7th edition
3. Information Technology and Management by Thompson Cats Baril 2002, 2nd edition
4. J.P. Laudon, (1996) Management Information Systems (3rd, 4th, 5th, 6th,7th,8th Editions)
5. Project management for information systems, James Cadle,2008, 5th edition prentice hall
6. Introduction to information systems: James O'Brien,2003,11th edition