**MAKERERE** **UNIVERSITY**

**MAKERERE** **UNIVERSITY** **BUSINESS** **SCHOOL**

**FACULTY OF COMPUTING AND INFORMATICS**

**DEPARTMENT OF INFORMATION SYSTEMS**

BACHELOR OF OFFICE AND INFORMATION MANAGEMENT YEAR TWO (**BUC2228**)

**COURSE :**MANAGEMENT INFORMATION SYSTEMS

**YEAR OF STUDY :** TWO

**SEMESTER**   **:** TWO

**LECTURER(S)** **: Dr. Naluwooza Ruqqaiya, Dr. Nabafu Robinah**

**COURSE DESCRIPTION**

This course reviews the concepts of information systems, organization structures and models. It then goes on to deal with planning, control and evaluation of management information systems. The course also deals with current issues and development of information systems.

**Course Objectives**

* To explain the components and types of Managerial information systems;
* Interpret the role of information systems in decision making;
* To use management support tools such as decision support systems (DSS) and ES;
* Demonstrate awareness of the ethical and global issues in information systems.

**Learning Outcomes**

Upon completion of this course unit, the student will be able to:

* Acquire knowledge and skills in the use of ICT as productivity tools
* Demonstrate understanding of the nature of different types information systems used in a business environment.
* Demonstrate how to assist decision makers in implementing Information Technology
* Manage and demonstrate skills in information systems

**Detailed Course Content**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Topic**  | **Lesson Details**  | **Lecturer** |
| 1. | Information Systems. | * Introduction
* Data, Information & Information Systems
* The Purpose of Information Systems
 | Dr. Naluwooza Ruqqaiya |
| 2. | Information Systems at Organizational level. | * Information systems at the organizational level.
* Types of information systems.
* Business Processes and Information Systems.
 | Dr. Naluwooza Ruqqaiya |
| 3. | Business Strategy and Information System Strategy. | * Business strategy, information system strategy and strategic information system
* Importance of formulating ISS.
* SWOT analysis and its importance.
* Achieving Competitive advantage by using IS/IT.
 | Dr. Nabafu Robinah |
| 4. | Business Information System Strategy and value | * Strategies: Nolan’s stage model, McFarlane strategic grid, and Parson’s generic model.
* Method for the development of IS strategies: Business led, Infrastructure led and Mixed.
* Implementation of IS: Automate, Informate and Transformate
 | Dr. Nabafu Robinah |
| 5. | Controlling Information Systems | * Security classification for Information( Administrative, Logical & Physical control)
* Managing Hardware and Software Assets
* Change management
* Business continuity
* Disaster recovery planning
 | Dr. Naluwooza Ruqqaiya |
| 6. | Managing Knowledge - Knowledge Work and Artificial Intelligence | * Introduction, Knowledge Management
* Aligning Knowledge Management and Business Strategy
* The Knowledge Management Platform
* The Artificial Intelligence for Business Applications
* Artificial intelligence in - Business
 | Dr. Naluwooza Ruqqaiya |
| 7. | Ethical and Social Impact of Information Systems | * Three moral issues of the Information Age.
* Main features of proper ethical choice. (Responsibility, Accountability & Liability)
* Understanding Ethical & Social Issues Related To Systems
* Five Moral Dimensions of the Information Age
* Ethical Analysis
* Candidate Ethical Principles
* Professional Codes of Conduct
* Some Real-World Ethical Dilemmas
* Information rights: Privacy and Freedom in an Information Society
* System Quality: Data Quality and system Errors
 | Dr. Nabafu Robinah |
| 8. | Managing International Information Systems | * Major factors driving the internationalization of business
* How information systems can support different global business strategies
* Challenges posed by global information systems and management solutions.
 | Dr. Nabafu Robinah |
| 9. | The Growth of International Information Systems  | * Growth of global Information System
* Driver of global systems.
* Evolution of an international system architecture
 | Dr. Naluwooza Ruqqaiya |
|  | **Total Hours** |  | **45** |

**Mode of Delivery**

* Lectures
* Group and class discussions
* Demonstrations

**Mode of Assessment**

* Course work 30%
* End of semester examination 70%

**Reading list**

1. Laudon, K. C., & Laudon, J. P. (2011). *Essentials of management information systems*. Upper Saddle River: Pearson.
2. McLeod, Raymond, and George P. S. (2007). *Management information systems*. USA: Pearson/Prentice Hall, 2007.
3. Lucey, T. (2005). *Management information systems*. Cengage Learning EMEA.
4. Oz, E. (2008). *Management information systems*. Cengage Learning.
5. Laudon K.D. and Laudon J.P. Management Information Systems, Eighth Edition –
6. O-Brien J. Introduction to Information System.
7. Reynolds G.W. Fundamentals of Information Systems