## **COSC 210: Management Information Systems (3 credits)**

The main objective of this course is the investigation of the role and impact of information systems in organizational functions, through the examination of management information systems used in today's business environment. The course highlights the role of information systems in organizations using computer tools and technology in solving business problems. Topics include information technology hardware, software, networks, security, and ethics. The course uses a conceptual approach through case studies of a series of information systems such as Enterprise Resource Planning Systems (ERP), Customer Relationship Management Systems (CRM), Supply Chain Management Systems (SCM) and Decision Support Systems. Students will also engage in computing exercises using common business information system tools.  *(Prerequisite: COSC 101)*

**Course Learning Outcomes:**

By the end of the course, students will be able to:

A1. Demonstrate detailed knowledge and understanding of MIS concepts, processes and practices.

A2. Adapt MIS concepts and processes to deal with routine and new business needs.

B1. Evaluate organizational needs to propose suitable MIS solutions.

B2. Use a range of common and emerging computing tools in business contexts.

C1. Work as a member of a team to plan, design and implement, an MIS solution.

C2. Operate with accountability for the legal and ethical implications of MIS project outcomes.

**Course Learning Materials:**

* Laudon, K.C. and Laudon,J.P.(2017). Management Information Systems: Managing the Digital Firm, (15th Ed.), Pearson
* Bocij, P., Greasley, A. and Hickie, S., 2008. Business information systems: Technology, development, and management. Pearson education Online resources will be shared for each week.

**Course Content:**

1. Technologies, people, and processes, Data, Information and Knowledge
2. Systems for different business functions and management levels
3. Ethical and Social Issues in Information Systems
4. IT Infrastructure and Emerging Technologies
5. Foundations of Business Intelligence: Database and Information Management
6. Telecommunications, the Internet, and Wireless Technology
7. Securing Information Systems