Course Code	**Course Name**	**ECTS Credit**
CSC407	Information Systems Management	5

Pre-Requisite	**Course Type**	**Language of Instruction**
	Compulsory	English

Year of Study	**Level of Course**	**Mode of Delivery**
4th / 8th	BSc/1st Cycle	On Campus

Course Objectives:

The aim of the course is the understanding of the information systems and their role in modern organizations, as well as the understanding of the information management technologies and the process of creating the information systems.

Learning Outcomes:

Upon successful completion of the course, students will be able to:

- Recognize types of information systems to support structures and processes, management, and strategic success of organizations.
- Explain the basic components of the infrastructure of an information system of an organization: hardware and software, information, telecommunications and networks, and the Internet.
- Solve management problems using IT tools
- Explain knowledge Management and describe how knowledge Management supports organizational decision-making and affects strategic success.
- Evaluate key issues of Information Management Systems, including security and control, and global systems issues.
- Design MIS system

Teaching Methodology:

Lectures 42 hours

Labs 30 hours

Course Content

The role of information systems in business today. Globalization Opportunities. Strategic goals of an enterprise's information systems. Prospects for information systems.

Business Processes and Information Systems. Types of business information systems and their operation.

Organizations and information systems. Use of information systems to achieve competitive advantage.

Ethical and social issues related to systems. Ethics in the Information Society.

It Infrastructure. Hardware platform and emerging technologies.

Foundations of Business Intelligence. Databases and information management.

Communications networks, the Internet and the wireless revolution.

Security of Information Systems. Computer-related cybercrime and cyberterrorism. Technologies and tools for security.

Corporate Systems. Supply chain management systems. Customer Relationship Management. Corporate applications.

E-commerce and the Internet. Types of e-commerce. Payment systems.

Knowledge management and knowledge management systems at enterprise level. Intelligent techniques.

Decision-making and information systems. Decision support systems. Executive support systems. Decision support team systems. Data visualization and geographic information systems.

Systems of development and organizational change. Improvement process. Overview of the system development process. Component-based and Web services.

Project management. Establish the business value of information systems. Risk management of the project.

The development of international information systems. Organization of international information systems. Management of global systems. Technology issues and opportunities for global chains.

Assessment Methods:

Final Exam

Mid-Term/Lab Exam

Assignments

Required Textbooks/Reading:

Essential Reading

Title	Author(s)	Publisher	Year
Management Information Systems: Managing the Digital Firm	J.Laudon	Pearson Education	2017
Management Information Systems	E.Oz, K.J.Sousa	Course Technology	2014