

IS200: Information Systems Foundations

- Credit Hours (lecture, lab, tutorial): **2** (2 + 0 + 0)
- Prerequisites: CSC107, CSC112.

Course content: Definition of information systems: information and systems, the philosophy of IS department, IS courses and their interrelationships, information systems technology, the strategic role of information and information systems, organization structure and information systems, organization modeling, computing and networking in international enterprises, the process of decision making, strategic planning of information systems, information systems needs, the architecture design of information organizations, services and products of information systems, and management of information systems.

Students of this course are introduced to the main components of information systems and their strategic roles. This includes all aspects of electronic commerce (e-commerce), electronic management (e-management), and the future needs of fully automated organizations (e-organizations). Students should be aware of the current classes of information systems, and their usage in all organization units specially the management function. Students who finish this course should have enough knowledge in: the influence of information systems on management, the use of information systems in knowledge distribution, collaborative work, the use of information systems in decision making, and the use of the Internet and information technology in web applications and their utilization in reengineering and total quality. The course professor should try to link students to the actual practice of ISs through assignments and demos of real-life systems within and outside the university.