

Course Abstract

If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.

Course ID and Name: CSC112 – Introduction to Business Information Systems

Department: Business and Computer Science

Chairperson or Course Coordinator: Dr. Aslihan Cakmak

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Prerequisites: CSC106

Co-requisites: None

Course Description:

This course will provide students a comprehensive introduction of how business information systems are used by organizations to accomplish their work. An overview of information systems and their key components, the role of information systems in organizations, and the changing nature of information technology are presented. Information technology tools are utilized for analysis and design of solutions for business problems and to investigate business opportunities

General Education Status: N/A

Credits: 3 **Lecture Hours:** 1 **Lab Hours:** 4

Learning Outcomes:

Upon successful completion of this course, a student will be able to:

1. Describe the purpose and role of business information systems within an organization.
2. Identify the basic components of an information system.
3. Identify key business applications and their purpose within the organization.
4. Describe the role of the Internet, networking, data communications, and data security in information systems.

5. Describe how electronic commerce and mobile commerce have impacted information systems.
6. Enumerate the purpose and needs of data and information within databases.
7. Identify common information technology tools utilized and where they are appropriate.
8. Demonstrate the use of information technology tools to solve business problems and investigate business opportunities.

Course Content Areas:

- Introduction to Business Information Systems
- Types of Information Systems in Organizations
- Input, Processing, and Output Hardware Devices
- Systems and Applications Software
- Database Systems, Database Management, and Data Applications
- Telecommunications and Networks Overview and Applications
- The Internet, Web, Intranets, and Extranets Functionality and Applications
- Electronic and Mobile Commerce
- Enterprise Systems
- Information and Decision Support Systems
- Knowledge Management Systems
- Systems Development Cycle: Investigation, Analysis, Design, Development, Implementation, Maintenance, and Review