CSIT 142
Introduction to Management Information Systems
3 Credits

Community College of Baltimore County
Common Course Outline

Description

CSIT 142 – Introduction to Management Information Systems: provides the background necessary for understanding the role of information systems in an organization and prepares students with skills to leverage computer tools and technologies to address business challenges. Students will use information technology software to assist in making effective business decisions using current methodologies, terminology, and applications of information systems.

Pre-requisites: CSIT 101 or CSIT 120 or consent of Program Director

Overall Course Objectives

Upon completion of this course, students will be able to:

1. identify major components of an information system;
2. examine a database and the role of a database management system;
3. define information ethics and the purpose of an ethics code;
4. discuss the impacts of using information systems and E-Business technologies;
5. identify the different systems needed to support business processes in an organization;
6. differentiate business process and strategies to improve them;
7. describe how information technology and business processes results in an organization's competitive advantage;
8. distinguish between decision types by organizational level;
9. compare the different types of information systems used for management decision making;
10. employ business intelligence tools to support decision making;
11. determine the difference between a data warehouse and a data mart;
12. identify the benefits and concerns of Big Data; and
13. Investigate emerging technologies and how businesses leverage these technologies for competitive advantage.

Major Topics

I. Management Information Systems and Business
    a. Business Processes
    b. Information Systems
        i. System Development Life Cycle
    c. Organizational Strategy
    d. Competitive Advantage

The Common Course Outline (CCO) determines the essential nature of each course.
For more information, see your professor's syllabus.

II.   Using Information Technology Within an Organization
   a. Hardware and Software
   b. Databases
         i. Relational Databases
         ii. Flat Files
         i. Types of data
   c. Networks

III.   Information Systems and E-Business
   a. Impacts of Information Systems
         i. Ethics
         ii. Intellectual Property
         iii. Privacy
         iv. Social Impacts
         v. Security
   b. E-Commerce Technologies and Trends
IV.   Business Process Solutions
   a. Business Process Management
         i. Advantages
         ii. Disadvantages
   b. Information Systems to Support Business Processes
   c. Information Systems to Gain Competitive Advantage
V.   Decision Support
   a. Big Data
   b. Information Systems for Decision Making
   c. Data Warehouse
   d. Data Mining
   e. Data Mart
   f. Business Intelligence
VI.   Emerging Technologies
   a. Types of Emerging Technologies
   b. How Businesses Leverage Emerging Technologies
   c. Managing Emerging Technologies
   d. Ethical Concerns

Course Requirements
Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- six project-based assignments
- two exams

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

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