NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

COURSE SYLLABUS

Course Title: Introduction to Management Information Systems   **Course #:** CST* 201

Course Description:
An introductory course to provide a real-world understanding of information systems giving students a foundation in business-related technology (IT). This course presents a balance of technical information and real-world applications. Students study innovative uses of information technology and its benefits and risks. Contemporary concepts such as supply chain management systems, data warehousing, business intelligence systems, knowledge management, Web-based electronic data interchange, and software as a service are topics covered in this course.

Pre-requisite/Co-requisite:
MAT* 095 and eligibility for ENG* 101 (ENG* 063 and ENG* 073, or ENG* 085, or ENG* 095), or satisfactory placement test scores.

Goals:
- Prepare students to analyze information needs of knowledge workers and management.
- Enable students to understand how systems, such as decision support systems and expert systems aid in the decision making process.
- Enable students to understand the use of information systems to gain competitive advantage with management of information as an organizational resource.
- Provide an overview of the uses of organizational systems, such as operations, finance, marketing, and human resources.
- Enable students to understand the role of IT in the acquisition, production, and distribution of goods and services.
- Prepare students for identifying, analyzing, and proposing information systems solutions to organizational problems.
- Build students' problem-solving and decision-making capabilities regarding IT implementations in management of information systems.
- Strengthen communication skills in the ever-changing technical environment of information and management systems.

Outcomes:
Upon successful completion of this course, students will be able to:
- Demonstrate an understanding of the components of Management Information Systems (MIS) and Information Technology Systems (ITS).
- Summarize policies, standards, and procedures in MIS and explain characteristics of these systems.
- Describe the organization of MIS in organizations of various sizes, careers related to MIS/ITS, and characteristics of MIS/ITS professionals.
- Identify key concepts related to hardware, software, telecommunications, database systems, and systems development.

- Evaluate the potential application and effectiveness of emerging technologies and personal productivity tools.
- Compare and contrast the various types of electronic commerce applications in use today as well as emerging applications of the future.
- Understand how to employ MIS/ITS security management concepts and principles, such as privacy, identification, authentication, copy protection, encryption, protection of data storage, and data transmission.
- Develop an understanding of the advanced uses of application tools for decision-making and information analysis scenarios associated with emerging technologies for mobile, home-office, remote workers, and principles of outsourcing.