ILLINOIS VALLEY COMMUNITY COLLEGE

COURSE OUTLINE

DIVISION: **Workforce Development**

COURSE: **CSM 1209; Management Information Systems**

Date: Spring 2015

Credit Hours: 3

Prerequisite(s):   co-requisite of CSP 1203

Delivery Method: ☒ **Lecture**   **3 Contact Hours (1 contact = 1 credit hour)**

☐ **Seminar**   **0 Contact Hours (1 contact = 1 credit hour)**

☐ **Lab**   **0 Contact Hours (2 contact = 1 credit hour)**

☐ **Clinical**   **0 Contact Hours (3 contact = 1 credit hour)**

☒ **Online**

☐ **Blended**

Offered: ☒ **Fall**   ☐ **Spring**   ☐ **Summer**

IAI Equivalent –*Only for Transfer Courses*-go to *http://www.itransfer.org*:

CATALOG DESCRIPTION:
This course will cover the use of information systems that help businesses achieve their goals. The topics include business process modeling, hardware and software systems used in corporate environments, the cloud, social media, systems development methods, management information systems, decision support systems, and expert systems. Students will also learn how to use the Internet for communication, collaboration, and research purposes.

GENERAL EDUCATION GOALS ADDRESSED

[See the last page of this form for more information.]

Upon completion of the course, the student will be able:

[Choose those goals that apply to this course.]

☒ To apply analytical and problem solving skills to personal, social and professional issues and situations.

☒ To communicate orally and in writing, socially and interpersonally.

☐ To develop an awareness of the contributions made to civilization by the diverse cultures of the world.

☒ To understand and use contemporary technology effectively and to understand its impact on the individual and society.

☒ To work and study effectively both individually and in collaboration with others.

☒ To understand what it means to act ethically and responsibly as an individual in one's career and as a member of society.

☐ To develop and maintain a healthy lifestyle physically, mentally, and spiritually.

☐ To appreciate the ongoing values of learning, self-improvement, and career planning.

EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:

[Outcomes related to course specific goals.]

Upon completion of the course, the student will be able to:

1. develop a basic understanding Information systems and technology used by businesses
2. understand how information systems can be used for a competitive advantage
3. increase his/her knowledge of how data warehouses are used to build business intelligence
4. understand how decision support systems and artificial intelligence systems are helping businesses
5. understand how corporate information systems are driven by the business functions of the corporation
6. understand how information systems affect ethics and privacy concerns
7. understand emerging trends and how to keep up to date

Outcome 1 – Students will develop a basic understanding information systems and technology used by businesses

> Competency 1.1 - Students will understand the difference between data and information
> Competency 1.2 – Students will understand that information technology is a key resource for a company
> Competency 1.3 – Students will understand the roles and goals of information technology

Outcome 2 - Students will understand how information systems can be used for a competitive advantage

> Competency 2.1 – Students will understand how companies can use the Internet, the cloud, and social media to develop a competitive advantage
> Competency 2.2 – Students will learn e-commerce strategies

Outcome 3 – Students will increase their knowledge of how data warehouses are used to build business intelligence
    Competency 3.1 – Students will learn about the relational database model.
    Competency 3.2 – Students will learn how to use database management system tools for data warehouses and data mining
Outcome 4 – Students will understand how decision support systems and artificial intelligence systems are helping businesses.
    Competency 4.1 – Students will learn the definitions and get examples of decision support systems, artificial intelligence, expert systems, and neural networks.
Outcome 5 – Students will understand how corporate information systems are driven by the business functions of the corporation.
    Competency 5.1 – Students will learn how a business drives technology and technology doesn't drive the business.
    Competency 5.2 – Students will learn how businesses use different information systems to increase employee productivity, enhance management decision making, improve team collaboration and enable business alliances that are not possible without the technology.
    Competency 5.3 – Students will learn how business is now conducted globally and what that implies for information systems.
Outcome 6 – Students will understand how information systems affect ethics and privacy concerns.
    Competency 6.1 – Students will learn what is considered ethical and non-ethical use of information systems.
    Competency 6.2 – Students will learn how information systems affect privacy in relation to the individual, employee, consumer, government agency and international trade. They will also study laws that address privacy and information systems.
Outcome 7 – Students will understand emerging trends and how to keep up to date.
    Competency 7.1 – Students will learn various methods for keeping current on the changing technology.

COURSE TOPICS AND CONTENT REQUIREMENTS:
The Importance of MIS
Business Processes and Information Systems
Business Strategy and Competitive Advantage
Hardware and Software
The Cloud
Databases
Social Media Information Systems
Business Intelligence Systems
Systems Development and Maintenance
Information Security

INSTRUCTIONAL METHODS:
Lecture
Testing
Teacher demonstration
Group work
Case study analysis

INSTRUCTIONAL MATERIALS:
Computer overhead projection system
Access to a lab for collaboration tool training
Experiencing MIS by David M Kroenke

STUDENT REQUIREMENTS AND METHODS OF EVALUATION:

1. Read required material on the topic
2. Attend class on a regular basis
3. Complete all tests and homework
4. Ask questions about any misunderstood area
5. Collaborate in groups via discussions, case studies, and projects

Grading Scale

A   90-100%
B   80-89%
C   70-79%
D   60-69%

OTHER REFERENCES

Course Competency/Assessment Methods Matrix

CSM 1209; Management Information	Assessment of Student Learning	Article Review	Case Studies	Group Projects	Lab Work	Oral Presentations	Pre-Post Tests	Quizzes	Written Exams	Artifact Self Reflection of Growth	Capstone Projects	Comprehensive Written Exit Exam	Course Embedded Questions	Multi-Media Projects	Observation	Writing Samples	Portfolio Evaluation	Real World Projects	Reflective Journals	Applied Application (skills) Test	Oral Exit Interviews	Accreditation Reviews/Reports	Advisory Council Feedback	Employer Surveys	Graduate Surveys	Internship/Practicum /Site Supervisor Evaluation	Licensing Exam	In Class Feedback	Simulation	Interview	Written Report	Assignment
Assessment Measures – Are direct or indirect as indicated. List competencies/outcomes below.	Direct/Indirect	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	_	_	_	_	D	D						
Outcome 1 – Students will develop a basic understanding information systems and technology used by businesses.			X					X	X																			X				X
Outcome 2 - Students will understand how information systems can be used for a competitive advantage.		X	X	X																								X				X
Outcome 3 – Students will increase their knowledge of how data warehouses are used to build business intelligence.		X	X	X				X	X																			X				X
Outcome 4 – Students will understand how decision support systems and artificial intelligence systems are helping businesses.		X	X					X	X																			X				X
Outcome 5 – Students will understand how corporate information systems are driven by the business functions of the corporation.		X	X					X	X																			X				X

CSM 1209; Management Information	Assessment Options

For each competency/outcome place an "X" below the method of assessment to be used.	Assessment of Student Learning	Article Review	Case Studies	Group Projects	Lab Work	Oral Presentations	Pre-Post Tests	Quizzes	Written Exams	Artifact Self Reflection of Growth	Capstone Projects	Comprehensive Written Exit Exam	Course Embedded Questions	Multi-Media Projects	Observation	Writing Samples	Portfolio Evaluation	Real World Projects	Reflective Journals	Applied Application (skills) Test	Oral Exit Interviews	Accreditation Reviews/Reports	Advisory Council Feedback	Employer Surveys	Graduate Surveys	Internship/Practicum /Site Supervisor Evaluation	Licensing Exam	In Class Feedback	Simulation	Interview	Written Report	Assignment
Assessment Measures – Are direct or indirect as indicated. List competencies/outcomes below.	Direct/ Indirect	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	I	I	I	I	D	D						
Outcome 6 – Students will understand how information systems affect ethics and privacy concerns.		X	X	X				X	X																							X
Outcome 7 – Students will understand emerging trends and how to keep up to date.		X	X	X				X	X																							X