CS 84.21 Course Outline as of Fall 2017

CATALOG INFORMATION

Dept and Nbr: CS 84.21   Title: MANAGEMENT INFO SYS
Full Title: Management Information Systems
Last Reviewed: 12/12/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total		
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled		52.50
Minimum	3.00	Lab Scheduled	0	4	Lab Scheduled		0
		Contact DHR	0		Contact DHR		0
		Contact Total	3.00		Contact Total		52.50
		Non-contact DHR	0		Non-contact DHR		0

Total Out of Class Hours: 105.00   Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable
Grading: Grade Only
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly: CIS 66

Catalog Description:
An examination of the use of information systems to support the management activities of an organization. Topics include: the fundamentals of hardware, software, database management, data communications, transaction processing information systems, decision support systems, information reporting systems, office automation, networks, expert systems, cloud computing, mobile computing and systems analyses and design. Case studies and several software packages will be utilized to illustrate the principles covered.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 1A or equivalent and Course Completion of CS 5

Limits on Enrollment:

Schedule of Classes Information:
Description: An examination of the use of information systems to support the management activities of an organization. Topics include: the fundamentals of hardware, software, database management, data communications, transaction processing information systems, decision

support systems, information reporting systems, office automation, networks, expert systems, cloud computing, mobile computing and systems analyses and design. Case studies and several software packages will be utilized to illustrate the principles covered. (Grade Only)
Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 1A or equivalent and Course Completion of CS 5
Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**		Effective:	Inactive:
CSU GE:	**Transfer Area**		Effective:	Inactive:
IGETC:	**Transfer Area**		Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Spring 1989	Inactive:	
UC Transfer:		Effective:	Inactive:	

CID:

CID Descriptor:BUS 140	Business Information Systems, Computer Information Systems	
SRJC Equivalent Course(s):	CS84.21	
CID Descriptor:ITIS 120	Business Information Systems, Computer Information Systems	
SRJC Equivalent Course(s):	CS84.21	

Certificate/Major Applicable:
Both Certificate and Major Applicable

Approval and Dates

Version:	07	Course Created/Approved:	3/15/1989
Version Created:	2/14/2017	Course Last Modified:	12/30/2023
Submitter:	Scott Rosen	Course last full review:	12/12/2023
Version Status:	Approved (Changed Course)	Prereq Created/Approved:	12/12/2023
Version Status Date:	5/8/2017	Semester Last Taught:	Fall 2023
Version Term Effective:	Fall 2017	Term Inactive:	Fall 2024

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Evaluate the role of Management Information Systems, Transaction processing Systems, Decision Support Systems, Office systems, and Expert Systems in today's competitive business environment.
2. Define and describe the fundamentals of hardware, software, database management, data communications cloud computing, Business Intelligence, mobile computing, and social networking, related to the management activities of an organization.
3. Identify the principal management challenges posed by the ethical and social impact of information systems and management solutions.
Objectives:

At the conclusion of this course, the student should be able to:
1. Demonstrate systems analysis and design in an organizational setting.
2. Summarize and define:
    a. Decision support systems.
    b. Information reporting systems.
    c. Office information systems.
    d. Transaction processing information systems.
3. Design a simple database management system.
4. Analyze the management of information systems (IS).
5. Employ various software to model common types of MIS.
6. Evaluate and use expert systems.
7. Summarize various data communications systems.
8. Operate and describe the function of a computer's central processing unit, input devices, output devices, and secondary storage.
9. Understand new advances in MIS and the role of cloud computing, social networks and mobile computing.
10. Understand ethical and social impact of information systems and management solutions.

Topics and Scope:

I. Introduction to Information Systems
    A. The importance of MIS
    B. Collaboration information systems for decision making and problem solving
    C. Business processes, information systems and information
    D. Organizational strategy, information systems and competitive advantage
II. Information Technology
    A. Hardware and software
    B. Mobile systems
    C. Database processing
    D. Database design
    E. The cloud
    F. Network and cloud technology
III. Software Fundamentals
    A. Systems software
    B. Programming - languages and development
    C. Database management
IV. Organization and Information Systems
    A. Enterprise Resources Planning (ERP) systems
    B. Supply chain management
    C. Social media information systems
    D. Office information systems and office automation
    E. Enterprise social networks and knowledge management
    F. Business intelligence systems
    G. Database marketing
    H. Reporting systems and OLAP
V. Management Information Systems (MIS) Subsystems
    A. Transaction processing system
    B. Decision support system
    C. Information reporting system
    D. Office information system
    E. Expert systems
VI. Information Systems Management

    A. Information systems security
    B. Data breaches
    C. International MIS
    D. Systems analysis and design
    E. Information systems development
    F. Systems development project management
    G. Agile development
    H. Business process management
VII. Ethical and social impact of information systems and management solutions

Assignment:

1. Read approximately 30 pages per week from textbook
2. Discuss current topics (in class or online)
3. Write laboratory exercises employing software tools in such areas as word processing, database management, spreadsheets, expert systems, programming, and operating systems. Some exercies will be group projects. Note: some group projects will be virtual groups not requiring face-to-face contact
4. Write two to six case studies (500 to 1000 words) to illustrate such topics as systems analysis and design, computer careers, and online databases. At least two assignments will be conducted as face-to-face or online teams
5. Exams (2 - 5)

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework, reading reports, projects, case analysis	Writing 55 - 65%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, lab reports, application software exercises	Problem solving 20 - 30%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None	Skill Demonstrations 0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Exams: multiple choice, true/false, matching items, completion	Exams 15 - 25%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation	Other Category 0 - 10%

Representative Textbooks and Materials:
Management Information Systems: Managing the Digitial Firm. 14th. Laudon, Kenneth and Laudon, Jane. Pearson. 2015

OTHER REQUIRED ELEMENTS

STUDENT PREPARATION

Matric Assessment Required:	E	Requires English Assessment
Prerequisites-generate description:	NP	No Prerequisite
Advisories-generate description:	U	User-Generated Text
Prereq-provisional:	N	NO
Prereq/coreq-registration check:	N	No Prerequisite Rules Exist
Requires instructor signature:	N	Instructor's Signature Not Required

BASIC INFORMATION, HOURS/UNITS & REPEATABILITY

Method of instruction:	02	Lecture
	72	Internet-Based, Delayed Interaction
	71	Internet-Based, Simultaneous Interaction
Area department:	CS	Computer Studies
Division:	72	Arts & Humanities
Special topic course:	N	Not a Special Topic Course
Program status:	1	Both Certificate and Major Applicable
Repeatability:	00	Two Repeats if Grade was D, F, NC, or NP
Repeat group id:		

SCHEDULING

Audit allowed:	N	Not Auditable
Open entry/exit:	N	Not Open Entry/Open Exit
Credit by exam:	N	Credit by examination not allowed
Budget code: Program:	0000	Unrestricted
Budget code: Activity:	0701	Computer & Information Science

OTHER CODES

Discipline:	Computer Information Systems	
Basic skills:	N	Not a Basic Skills Course
Level below transfer:	Y	Not Applicable
CVU/CVC status:	Y	Distance Ed, Not CVU/CVC Developed
Distance Ed Approved:	Y	Exclusively online or other technology based instruction
Emergency Distance Ed Approved:	N	None
Credit for Prior Learning:	N	Agency Exam
	N	CBE
	N	Industry Credentials
	N	Portfolio
Non-credit category:	Y	Not Applicable, Credit Course
Classification:	Y	Career-Technical Education
SAM classification:	C	Clearly Occupational
TOP code:	0707.30	Computer Systems Analysis
Work-based learning:	N	Does Not Include Work-Based Learning
DSPS course:	N	Not a DSPS Course
In-service:	N	Not an in-Service Course