CS 84.21 Course Outline as of Fall 2009

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	8	Lab Scheduled	0
		Contact DHR	1.00		Contact DHR	17.50
		Contact Total	4.00		Contact Total	70.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00 Total Student Learning Hours: 175.00

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, and systems analyses and design. Case studies and several software packages will be utilized to illustrate the principles covered. Required for the computer programmer and the Microcomputer Systems Specialist certificates.

Prerequisites/Corequisites:

Recommended Preparation:
Course Eligibility for ENGL 1A and Course Completion of MATH 150A OR Course Completion of BMG 54 and Course Completion of CS 5 (or CIS 5 or BDP 5 or BDP 51)

Limits on Enrollment:

Schedule of Classes Information:
Description: An examination of the information systems to support the management activities of

an organization. Utilization of case studies & several software packages to illustrate principles covered. A high level programming language (such as Visual Basic, C or C++) will be introduced. (Grade Only)
Prerequisites/Corequisites:
Recommended: Course Eligibility for ENGL 1A and Course Completion of MATH 150A OR Course Completion of BMG 54 and Course Completion of CS 5 (or CIS 5 or BDP 5 or BDP 51)
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:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Upon completion of the course, students will be able to:
1. Demonstrate systems analysis and design in a business 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:
   A. Management and decision making.
   B. Management of information systems (IS).
5. Employ systems software.
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. Use a computer network.

Topics and Scope:

1. Introduction to Information Systems.
   A. People.
   B. Organizations.
   C. Systems.
   D. Management and decision making.
2. Hardware Fundamentals.
   A. Central processing unit.
   B. Input/output devices.
   C. Secondary storage devices.
   D. Networks.
3. Software Fundamentals.
   A. Systems software.
   B. Programming - languages and development.
   C. Database management.
   D. Expert systems.
4. Management Information Systems (MIS) Subsystems.
   A. Transaction processing system.
   B. Decision support system.
   C. Information reporting system.
   D. Office information system.
5. Systems Analyses and Design.
6. Other Related Topics.
   A. Data communications.
   B. End-user computing.
   C. Management of MIS.

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 will be group projects. Note: some group projects will be virtual groups not requiring face-to-face contact.
4. Write two to six 500-1000-word case studies 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. Prepare for and take quizzes and exams.

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	Writing 40 - 50%

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.

Projects, case analysis & software exercises.	Skill Demonstrations 15 - 25%

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

None	Other Category 0 - 0%

Representative Textbooks and Materials:
"Management Information Systems- 8th edition", Laudon and Laudon 2003