

CS 84.21 Course Outline as of Spring 2011**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, 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:**

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, 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. (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:
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CSU Transfer:	Transferable	Effective:	Spring 1989	Inactive:
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UC Transfer:	Effective:	Inactive:
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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 the 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
7. 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.
 - 3a. Some 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. Take two to five 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, projects, case analysis
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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, 11th edition, by Laudon and Laudon, Prentice Hall Publishers, 2009.