Course Description

Provides a comprehensive overview of the management of information systems and the combination of hardware, software, and people vital to the successful business operation. The strategic role of information systems is examined, as well as the characteristics of computer systems, software applications, programming languages, and relational databases.

Course eTextbook


Course Learning Outcomes

Upon completion of this course, students should be able to:

1. Distinguish the key differences between data, information, information technology, and information systems.
2. Distinguish the similarities and differences between the personal knowledge management tools.
3. Examine the importance of mobile systems and securing information and knowledge.
4. Explain how IS can be used to gain and sustain competitive advantage.
5. Evaluate the approaches to developing organizational knowledge management strategies.
6. Discuss the key issues involved in managing the components of IT infrastructure.
7. Discuss the requirements for successful collaboration as it pertains to Information Systems Management.
8. Identify major types of hardware and software used by organizations.

Credits

Upon completion of this course, the students will earn three (3) hours of college credit.

Course Structure

1. **Unit Learning Outcomes:** Each unit contains Learning Outcomes that specify the measurable skills and knowledge students should gain upon completion of the unit.
2. **Unit Lessons:** Each unit contains a Unit Lesson, which discusses unit material.
3. **Reading Assignments:** Each unit contains Reading Assignments from one or more chapters from the textbook. Suggested Readings are listed in each unit study guide to aid students in their course of study. The readings themselves may or may not be provided in the course, but students are encouraged to read the resources listed if the opportunity arises as they have valuable information that expands upon the lesson material. Students will not be tested on their knowledge of the Suggested Readings.
4. **Learning Activities (Non-Graded):** These non-graded Learning Activities are provided in each unit to aid students in their course of study.
5. **Discussion Boards:** Discussion Boards are part of all CSU term courses. More information and specifications can be found in the Student Resources link listed in the Course Menu bar.
6. **Unit Assessments:** This course contains eight Unit Assessments, one to be completed at the end of each unit. Assessments are composed of multiple-choice questions and written response questions.
7. **Unit Assignments:** Students are required to submit for grading Unit Assignments in Units I-VI and VIII. Specific information and instructions regarding these assignments are provided below. Grading rubrics are included with the Unit I-VI and VIII Assignments. Specific information about accessing these rubrics is provided below.
8. **Ask the Professor:** This communication forum provides you with an opportunity to ask your professor general or course content related questions.

9. **Student Break Room:** This communication forum allows for casual conversation with your classmates.

**CSU Online Library**

The CSU Online Library is available to support your courses and programs. The online library includes databases, journals, e-books, and research guides. These resources are always accessible and can be reached through the library webpage. To access the library, log into the myCSU Student Portal, and click on "CSU Online Library." You can also access the CSU Online Library from the "My Library" button on the course menu for each course in Blackboard.

The CSU Online Library offers several reference services. E-mail (library@columbiasouthern.edu) and telephone (1.877.268.8046) assistance is available Monday – Thursday from 8 am to 5 pm and Friday from 8 am to 3 pm. The library’s chat reference service, Ask a Librarian, is available 24/7; look for the chat box on the online library page.

Librarians can help you develop your research plan or assist you in finding relevant, appropriate, and timely information. Reference requests can include customized keyword search strategies, links to articles, database help, and other services.

**Unit Assignments**

**Unit I Scholarly Activity**

**Components of an Information System**

In this one- to two-page (250-500 word) paper, you will discuss each of the different components of an information system, and then explain how you can use the five-component model to guide your learning and thinking about information systems. You may use the Unit Lesson, Chapter Readings, Suggested Readings, Learning Activities, and outside resources to aid in your research.

Include the following in your paper:

- Define each component of an information system.
- Define how you can use the five-component model to guide your learning and thinking about information systems.
- Include at least one outside research item in your paper.
- Use APA format and cite your sources.

APA rules for formatting, quoting, paraphrasing, citing, and listing of sources are to be followed.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

**Unit II Case Study**

**Competitive Strategy Over the Web Assignment**

In this case study, you will research an organization and determine how their business strategy differentiates them from other organizations in the same industry using Porter's four competitive strategies model (p. 85).

Write a one- to two-page (250-500-word) paper to include the following:

- A brief explanation of Porter's four competitive strategies.
  - A brief explanation of how competitive strategy determines value chain structure.
- Identify and discuss the competitive strategy that the organization you researched utilizes in order to differentiate them from other organizations in the same industry.

APA rules for formatting, quoting, paraphrasing, citing, and listing of sources are to be followed.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.
Unit III PowerPoint Presentation

Open Source Software Research Project

Research an open source software project. Examples of open source projects are listed on page 123 of your textbook. You are not restricted to the open source projects listed on page 123; you may research one of your own choosing that interests you.

In MS PowerPoint, create a presentation with slides that describe the open source software and how it works. Discuss the role this open source software has in management information systems.

Remember, management information systems is the management and use of information systems that help organizations achieve their strategies (page 10 of your textbook).

Your PowerPoint must have a minimum of four slides. Be sure to use the 7X7 rule in PowerPoint: no more than 7 lines per slide and no more than 7 words per line. Use of images, graphics, and diagrams is required. Be sure to include your sources on a references slide in APA format.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

Unit IV Scholarly Activity

Cloud Profitability

In a one- to two-page paper (250-500 words), discuss whether or not there are cost benefits to cloud computing using specific examples. Be sure to include at least three reference sources.

APA rules for formatting, quoting, paraphrasing, citing, and listing of sources are to be followed.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

Unit V Scholarly Activity

Data Warehouses and Data Marts

Write a one- to two-page (250-500 word) paper that discusses the differences between data warehouses and data marts. Also, discuss how organizations can use data warehouses and data marts to acquire data. You must use the CSU Online Library to locate at least two sources for your paper.

APA rules for formatting, quoting, paraphrasing, citing, and listing of sources are to be followed.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

Unit VI Scholarly Activity

Business Process Management

In this writing assignment, you will explore how organizations use business process management (BPM). Write a one-page (250-word) paper explaining how organizations use business process management (BPM). Be sure to use at least one specific example from the CSU Online Library, and address the following in your paper:

- What is business process management (BPM)?
- Why do processes need management?
- What are BPM activities?

APA rules for formatting, quoting, paraphrasing, citing, and listing of sources are to be followed.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.
Utilizing the unit lessons, textbook, CSU Online Library, and other outside sources, write a two-page (not including title and reference pages) Research Paper identifying the key components of information systems management discussed throughout this course.

Provide a description of an organization you are familiar with (possibly a company you have worked for in the past or are currently working for) and describe briefly what services they contribute. Then, select three out of the six questions below, and provide detailed answers, supporting those answers by referencing any sources used. Be sure to use examples from your research to strengthen your argument as needed.

- What personal knowledge management tools does this organization utilize?
- What steps has this organization taken in securing their information and knowledge?
- What has this organization done to gain and sustain an advantage over their competitors?
- Describe in detail how this organization manages the components of its IT infrastructure.
- In what ways does the organization demonstrate successful collaboration?
- Identify at least two types of hardware and two types of software used by this organization.

APA rules for formatting, quoting, paraphrasing, citing, and listing of sources are to be followed.

Information about accessing the Blackboard Grading Rubric for this assignment is provided below.

**APA Guidelines**

The application of the APA writing style shall be practical, functional, and appropriate to each academic level, with the primary purpose being the documentation (citation) of sources. CSU requires that students use APA style for certain papers and projects. Students should always carefully read and follow assignment directions and review the associated grading rubric when available. Students can find CSU’s Citation Guide by clicking [here](#). This document includes examples and sample papers and provides information on how to contact the CSU Success Center.

**Grading Rubrics**

This course utilizes analytic grading rubrics as tools for your professor in assigning grades for all learning activities. Each rubric serves as a guide that communicates the expectations of the learning activity and describes the criteria for each level of achievement. In addition, a rubric is a reference tool that lists evaluation criteria and can help you organize your efforts to meet the requirements of that learning activity. It is imperative for you to familiarize yourself with these rubrics because these are the primary tools your professor uses for assessing learning activities.

Rubric categories include: (1) Discussion Board, (2) Assessment (Written Response), and (3) Assignment. However, it is possible that not all of the listed rubric types will be used in a single course (e.g., some courses may not have Assessments).

The Discussion Board rubric can be found within Unit I’s Discussion Board submission instructions.

The Assessment (Written Response) rubric can be found embedded in a link within the directions for each Unit Assessment. However, these rubrics will only be used when written-response questions appear within the Assessment.

Each Assignment type (e.g., article critique, case study, research paper) will have its own rubric. The Assignment rubrics are built into Blackboard, allowing students to review them prior to beginning the Assignment and again once the Assignment has been scored. This rubric can be accessed via the Assignment link located within the unit where it is to be submitted. Students may also access the rubric through the course menu by selecting “Tools” and then “My Grades.”

Again, it is vitally important for you to become familiar with these rubrics because their application to your Discussion Boards, Assessments, and Assignments is the method by which your instructor assigns all grades.

**Communication Forums**

These are non-graded discussion forums that allow you to communicate with your professor and other students. Participation in these discussion forums is encouraged, but not required. You can access these forums with the buttons in
the Course Menu. Instructions for subscribing/unsubscribing to these forums are provided below.

Click here for instructions on how to subscribe/unsubscribe and post to the Communication Forums.

Ask the Professor

This communication forum provides you with an opportunity to ask your professor general or course content questions. Questions may focus on Blackboard locations of online course components, textbook or course content elaboration, additional guidance on assessment requirements, or general advice from other students.

Questions that are specific in nature, such as inquiries regarding assessment/assignment grades or personal accommodation requests, are NOT to be posted on this forum. If you have questions, comments, or concerns of a non-public nature, please feel free to email your professor. Responses to your post will be addressed or emailed by the professor within 48 hours.

Before posting, please ensure that you have read all relevant course documentation, including the syllabus, assessment/assignment instructions, faculty feedback, and other important information.

Student Break Room

This communication forum allows for casual conversation with your classmates. Communication on this forum should always maintain a standard of appropriateness and respect for your fellow classmates. This forum should NOT be used to share assessment answers.

Grading

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Discussion Boards (8 @ 2%)</td>
<td>= 16%</td>
</tr>
<tr>
<td>Assessments (8 @ 4%)</td>
<td>= 32%</td>
</tr>
<tr>
<td>Scholarly Activities (4 @ 6%)</td>
<td>= 24%</td>
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<tr>
<td>Unit II Case Study</td>
<td>= 6%</td>
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<tr>
<td>Unit III PowerPoint Presentation</td>
<td>= 6%</td>
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<tr>
<td>Unit VIII Research Paper</td>
<td>= 16%</td>
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<tr>
<td><strong>Total</strong></td>
<td>= 100%</td>
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Course Schedule/Checklist (PLEASE PRINT)

The following pages contain a printable Course Schedule to assist you through this course. By following this schedule, you will be assured that you will complete the course within the time allotted.
By following this schedule, you will be assured that you will complete the course within the time allotted. Please keep this schedule for reference as you progress through your course.

## Unit I
### The Importance of MIS

| Review: | Unit Study Guide  
| Learning Activities (Non-Graded): See Study Guide |
| Read: | Chapter 1: The Importance of MIS  
| Suggested Reading: See Study Guide |
| Discuss: | Discussion Board Response: Submit your response to the Discussion Board question by Saturday, 11:59 p.m. (Central Time)  
| Discussion Board Comment: Comment on another student’s Discussion Board response by Tuesday, 11:59 p.m. (Central Time) |
| Submit: | Assessment by Tuesday, 11:59 p.m. (Central Time)  
| Scholarly Activity by Tuesday, 11:59 p.m. (Central Time) |

## Unit II
### Collaboration Information Systems and Strategy and Information Systems

| Review: | Unit Study Guide  
| Learning Activities (Non-Graded): See Study Guide |
| Read: | Chapter 2: Collaboration Information Systems  
| Chapter 3: Strategy and Information Systems  
| Suggested Reading: See Study Guide |
| Discuss: | Discussion Board Response: Submit your response to the Discussion Board question by Saturday, 11:59 p.m. (Central Time)  
| Discussion Board Comment: Comment on another student’s Discussion Board response by Tuesday, 11:59 p.m. (Central Time) |
| Submit: | Assessment by Tuesday, 11:59 p.m. (Central Time)  
| Case Study by Tuesday, 11:59 p.m. (Central Time) |

## Unit III
### Collaboration Hardware, Software, and Mobile Systems; and Database Processing

| Review: | Unit Study Guide  
| Learning Activities (Non-Graded): See Study Guide |
| Read: | Chapter 4: Hardware, Software, and Mobile Systems  
| Chapter 5: Database Processing  
| Suggested Reading: See Study Guide |
| Discuss: | Discussion Board Response: Submit your response to the Discussion Board question by Saturday, 11:59 p.m. (Central Time)  
| Discussion Board Comment: Comment on another student’s Discussion Board response by Tuesday, 11:59 p.m. (Central Time) |
| Submit: | Assessment by Tuesday, 11:59 p.m. (Central Time)  
| PowerPoint Presentation by Tuesday, 11:59 p.m. (Central Time) |

Notes/Goals:
<table>
<thead>
<tr>
<th>Unit IV</th>
<th>The Cloud, Processes, Organizations, and Information Systems</th>
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</table>
| Review: | - Unit Study Guide  
- **Learning Activities (Non-Graded):** See Study Guide |
| Read:   | - Chapter 6: The Cloud  
- Chapter 7: Processes, Organizations, and Information Systems  
- **Suggested Reading:** See Study Guide |
| Discuss:| - **Discussion Board Response:** Submit your response to the Discussion Board question by Saturday, 11:59 p.m. (Central Time)  
- **Discussion Board Comment:** Comment on another student’s Discussion Board response by Tuesday, 11:59 p.m. (Central Time) |
| Submit: | - **Assessment** by Tuesday, 11:59 p.m. (Central Time)  
- **Scholarly Activity** by Tuesday, 11:59 p.m. (Central Time) |

| Notes/Goals: |

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<thead>
<tr>
<th>Unit V</th>
<th>Social Media Information and Social Business Intelligence Systems</th>
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</table>
| Review: | - Unit Study Guide  
- **Learning Activities (Non-Graded):** See Study Guide |
| Read:   | - Chapter 8: Social Media Information Systems  
- Chapter 9: Business Intelligence Systems  
- **Suggested Reading:** See Study Guide |
| Discuss:| - **Discussion Board Response:** Submit your response to the Discussion Board question by Saturday, 11:59 p.m. (Central Time)  
- **Discussion Board Comment:** Comment on another student’s Discussion Board response by Tuesday, 11:59 p.m. (Central Time) |
| Submit: | - **Assessment** by Tuesday, 11:59 p.m. (Central Time)  
- **Scholarly Activity** by Tuesday, 11:59 p.m. (Central Time) |

| Notes/Goals: |

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<thead>
<tr>
<th>Unit VI</th>
<th>Unit VI: Development Process</th>
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| Review: | - Unit Study Guide  
- **Learning Activities (Non-Graded):** See Study Guide |
| Read:   | - Chapter 10: Development Processes  
- **Suggested Reading:** See Study Guide |
| Discuss:| - **Discussion Board Response:** Submit your response to the Discussion Board question by Saturday, 11:59 p.m. (Central Time)  
- **Discussion Board Comment:** Comment on another student’s Discussion Board response by Tuesday, 11:59 p.m. (Central Time) |
| Submit: | - **Assessment** by Tuesday, 11:59 p.m. (Central Time)  
- **Scholarly Activity** by Tuesday, 11:59 p.m. (Central Time) |

| Notes/Goals: |

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## Unit VII: Information Systems Management

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 11: Information Systems Management
- **Suggested Reading:** See Study Guide

**Discuss:**
- **Discussion Board Response:** Submit your response to the Discussion Board question by Saturday, 11:59 p.m. (Central Time)
- **Discussion Board Comment:** Comment on another student’s Discussion Board response by Tuesday, 11:59 p.m. (Central Time)

**Submit:**
- **Assessment** by Tuesday, 11:59 p.m. (Central Time)

**Notes/Goals:**

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## Unit VIII: Information Security Management

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 12: Information Security Management
- **Suggested Reading:** See Study Guide

**Discuss:**
- **Discussion Board Response:** Submit your response to the Discussion Board question by Saturday, 11:59 p.m. (Central Time)
- **Discussion Board Comment:** Comment on another student’s Discussion Board response by Tuesday, 11:59 p.m. (Central Time)

**Submit:**
- **Assessment** by Tuesday, 11:59 p.m. (Central Time)
- **Research Paper** by Tuesday, 11:59 p.m. (Central Time)

**Notes/Goals:**