



Applied Information Management Systems Undergraduate Course Information Guide

Course Number: DA 233, 4 credits, 10 Weeks

Crosslisted Course Number: SW 232, 2 or 4 credits, 10 Weeks

Delivery Formats: Online Async

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Course Description

This course introduces students to the key concepts in the field of Management Information Systems (MIS) and enhances understanding of the issues that business organizations face when developing and managing information systems. In this course, students will be presented with a broad overview of the field to first examine the increasing impact of information technology in business organizations, and second, in preparation for more advanced courses in data analytics and information systems. Specifically, the three major topics covered include (1) e-businesses and networks, (2) databases, as well as (3) enterprise resource planning (ERP) and process models. These topics are designed to prepare students for further inquiry on web analytics, data mining, project management, supply chain management, as well as business in general. By completing the course, students should be better equipped to apply IT skills to solve business problems, to participate in IT projects, and to communicate more knowledgeably with IT professionals.

Learning Outcomes

After completing this course, you will be able to:

- Articulate the role of information and information technologies in the business organization and business processes.
- Describe various types of information systems and how they support businesses.
- Understand how websites work and build a basic website.
- Understand how databases work and execute data queries.
- Understand business processes and design business processes.

- Explain about how information systems can be used to support business processes.
- Discuss the challenges involved in the management of information systems.

If in a SCPS competence program, (BAIFA, BAC, BAGB, BAECE), this course addresses the following requirements:

Competence	Competence Statement / Criteria
S1X	Can implement technology solutions to business problems.
S3X	Can analyze the integration of information technologies in business processes.
FX	Can apply the concepts and tools discussed to one's focus area.

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Learning Strategies and Resources

Some learning activities, assignments and deadlines will vary depending on the delivery format of the course and may differ slightly from what is presented in this document.

- Read all materials from the chapter.
- View the chapter PowerPoint presentation.
- Participate in each module discussion on time with reply to at least one post.
- Take the Module quiz for the chapter(s) assigned for the first time, and if you are satisfied with your score, then you are done with the chapter. If not, continue with chapter reading and retake the quiz.
- Go to the Grade Book and check your assignments and quizzes scores and feedback.

Required Readings

Books and learning materials are available at the DePaul bookstore, at <http://depaul-loop.bncollege.com>, or through alternative sources.

R Kelly Rainer Jr., Brad Prince (2015). Introduction to Information Systems (7th edition). Wiley. ISBN: 978-1119362968

Recommended Training

Basic Training in MS Excel and MS Access Database

Lynda.com is free to DePaul students and offers a wide range of Excel tutorials.

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Learning Deliverables

The evidence of your learning will be in the form of the following five required components:

- Discussion Board Participation
- Website Design
- MS Visio application
- Access Database Project
- Excel Project
- Module (Recaps) Quizzes

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Assessment of Student Learning

Grading Practices

Criteria for Assessment:

- Understands how a website can be a useful tool to solve a business problem and to promote an e-business or an idea in the competitive economy today.
- Implements an Entity Relationship Diagram (ERD) to depict the data model of the functional area in an organization.
- Understands topics in descriptive and predictive data by using Excel application.
- Uses of an Enterprise Resource Planning (ERP) system to explain the types of support information systems can provide for each functional area of the organization.
- Understands Access database application and how organizations use to help solve multiple problems involved in managing data.

Distribution of Grade Points

Assignments	60%
Descriptive Analytic	15%
Discussion	10%
Recaps (Quizzes)	15%

Grading Scale

A = 95 to 100	A- = 91 to 94	B+ = 88 to 90
B = 85 to 87	B- = 81 to 84	C+ = 77 to 80
C = 73 to 76	C- = 69 to 72	D+ = 65 to 68
D = 61 to 64	F = 60 or below	INC

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Course Schedule

Week and Module Title	Readings	Assignments
Week 1, Module 1: Introduction	Power point presentation (as a supplement for the Chapter) Textbook (Rainer, Chapter 1)	Recap 1 Discussion 1
Week 2, Module 2A: Networks	Power point presentation (as a supplement for the Chapter) Textbook (Rainer, Chapter 6) Articles (where applicable)	Recap 2 Discussion 2 Zoom Meeting 6-7 PM
Week 3, Module 2B:	Create Website using Google Sites Google Sites instructions manual	Assignment I

Websites	Power Point presentation	
Week 4, Module 2C: e- Business	Power point presentation (as a supplement for the Chapter) Textbook (Rainer, Chapter 7) Articles (where applicable)	Recap 3 Discussion 3 Zoom Meeting 6-7 PM
Week 5, Module 3A: Databases	Power point presentation (as a supplement for the Chapter) Textbook (Rainer, Chapter 5) Articles (where applicable)	Recap 4 Discussion 4
Week 6, Module 3B: Entity Relationship Diagrams	ERD Walkthrough Power point presentation (as a supplement for the Chapter) Textbook (Rainer, Chapter 5) Articles (where applicable)	Assignment II Zoom Meeting 6-7 PM
Week 7, Module 3C: Relational Databases	Access Demo Walkthrough Articles (where applicable)	
Week 8, Module 4A: ERP and Process Modelling	Power point presentation (as a supplement for the Chapter) Textbook (Rainer, Chapter 2 and Chapter 10) Articles (where applicable)	Recap 5 Discussion 5 Zoom Meeting 6-7 PM
Week 9, Module 4B: Flowcharts	Flowchart Walkthrough Articles (where applicable)	Assignment III
Week 10, Module 10:	Descriptive Analytics- Excel Articles (where applicable)	Assignment IV Zoom Meeting 6-7 PM

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Course Policies

For access to all SCPS and DePaul University academic policies, refer to the following links:

[SCPS Student Resources Website](#)

[DePaul Student Handbook](#)

The [D2L Course Website](#) for this course.

Course Syllabus

The official syllabus for this course that includes course dates, instructor information and quarter specific details will be provided by the course instructor by the start of the course and available on the course D2L website.

Course Registration

To find out when this course will be offered next, you can go to the [SCPS Registration website](#) for details on how to register for the course.

For information on how this course can apply to your program, contact your academic advisor.

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