

University of Puerto Rico-Mayagüez
College of Business Administration

Syllabus & Instructor Information Sheet Form

A. COURSE SYLLABUS

1. General Information:

Course Number: **SICI 6065**

Course Title: **Management Information Systems**

Credit-Hours: **3**

2. Course Description:

This course provides a general understanding of information systems and information technology (IS/IT), planning and development, information resources management and social impacts of informatics. It discusses how information is used for decision support in organizations and how information systems enable competitive advantage.

3. Pre/Co-requisites: None

4. Textbook (Required)

Information Systems for Managers: Texts and Cases", 1st ed.

by **Gabriele Piccoli**; Hoboken, NJ: **Wiley**, 2008
ISBN-13: 978-0-470-08703-9

5. Purpose:

An elective course in the College of Business Administration Graduate Program (MBA).

6. Course Goals:

After completing the course, the student should be able to:

- ▶ Describe the vocabulary and terminology used to describe Information Systems concepts and issues
- ▶ Recognize the importance of the Computerized Information Systems, their components and the relationship between them
- ▶ Discuss advanced information systems concepts, such as, Decision Support Systems, Strategic Systems, and Electronic Commerce
- ▶ Explain the relationship between Information Systems and organizational structure
- ▶ Explain how Information Systems are used by different Business Functions
- ▶ Discuss IS Planning, IS Development and the Management of IT and related issues
- ▶ Explain the major social and ethical issues involved in the development and use of information technology
- ▶ Describe the main areas of Information Technology (e.g. Hardware, Software, Communications and Data Management, etc.)

7. Requirements:

All students are expected to:

- ▶ Attend all lectures and be on time.
- ▶ Complete the readings and assignments on time.
- ▶ Come prepared for class participation/discussion
- ▶ Investigate current research issues related to MIS
- ▶ Prepare reports on their research efforts

8. Laboratory/Field Work:

Some lectures may be offered in a computer lab; students are expected to comply with lab rules.

9. Department/Campus Policies:

9a. Class attendance: Class attendance is compulsory. The University of Puerto Rico, Mayagüez Campus, reserves the right to deal at any time with individual cases of non-attendance. Professors are expected to record the absences of their students. Frequent absences affect the final grade, and may even result in total loss of credits. Arranging to make up work missed because of legitimate class absence is the responsibility of the student. (Bulletin of Information Undergraduate Studies, pp 39 1995-96)

9b. Absence from examinations: Students are required to attend all examinations. If a student is absent from an examination for a justifiable reason acceptable to the professor, he or she will be given a special examination. Otherwise, he or she will receive a grade of zero of "F" in the examination missed. (Bulletin of Information Undergraduate Studies, pp 39, 1995-96)

9c. Final examinations: Final written examinations must be given in all courses unless, in the judgment of the Dean, the nature of the subject makes it impracticable. Final examinations scheduled by arrangements must be given during the examination period prescribed in the Academic Calendar, including Saturdays. (see Bulletin of Information Undergraduate Studies, pp 39, 1995-96).

9d. Partial withdrawals: A student may withdraw from individual courses at any time during the term, but before the deadline established in the University Academic Calendar. (see Bulletin of Information Undergraduate Studies, pp 37, 1995-96).

9e. Complete withdrawals: A student may completely withdraw from the University of Puerto Rico, Mayagüez Campus, at any time up to the last day of classes. (see Bulletin of Information Undergraduate Studies, pp 37, 1995-96).

9f. Disabilities: All the reasonable accommodations according to the Americans with Disability Act (ADA) Law will be coordinated with the Dean of Students and in accordance with the particular needs of the student.

9g. Ethics: Any academic fraud is subject to the disciplinary sanctions described in article 14 and 16 of the revised General Student Bylaws of the University of Puerto Rico contained in Certification 018-1997-98 of the Board of Trustees. The professor will follow the norms established in articles 1-5 of the Bylaws.

10. Campus Resources:

The General Library (<http://www.uprm.edu/library>) is the default location for all reference materials.

11. General Topics:

- Introduction to Information Systems in Business
- Information Technology versus Information Systems
- Decision-Making and Problem Solving
- Strategic use and impact of Information Systems
- Management and their various information needs: (e.g. Transaction Processing Systems, MIS, DSS, End-user computing, Expert Systems, etc.)
- Information Systems in Business Functions
- Information Technology Management: Systems Planning and Development, Information Resource Management
- Global and Inter-organizational Systems
- Security, Privacy, Societal and Ethical Issues
- Contemporary issues and trends in IS/IT

B. Instructor Information Sheet

1. General Information:

Instructor: **José A. Cruz-Cruz, Ph.D.**
 Office: **AE-252 (AE-327)**
 Phone: **Ext. 5352, 5353 (5359)**
 Office Hours: **Thursday 4:30 – 6:00 pm**
and by appointment
 E-mail: **j.cruz@upr.edu**
 URL: **upr.edu20.org**

2. Course Description:

Course Number: **SICI 6065**
 Course Title: **Management Information Systems**
 Credit-Hours: **3**
 Course Description: *See Course Syllabus*

3. Purpose:

See Course Syllabus.

4. Course Goals:

See Course Syllabus

5. Requirements:

See Course Syllabus

6. Laboratory/Field Work:

See Course Syllabus

7. Instructional Strategy:

- Lectures
- Class Discussions
- Readings and Assignments
- Independent study and teamwork
- **Assessment Activities**

8. Evaluation/Grade Reporting:

15% News Reports and Participation
 40% 2 Mid-Term Exams
 20% Mini-Cases
 10% Essay (An approved current IS Topic)
 15 % Presentation (One of the course topics)

Grade / Percentage Ranges:

A: 90% – 100%, **B:** 80% - 89%,
C: 70% - 79%, **D:** 60% - 69%, **F:** < 60%

9. Deadlines for Assignments:

General Policy:

- Cases and assignments are due one week after they are announced or handed out.

10. Attendance and Behavior:

- **Class attendance is mandatory**
- Students are expected to do their assignments individually, unless otherwise instructed. Plagiarism or any kind of cheating is unethical, unprofessional and will not be tolerated.
- *Also see the Department/Campus Policies (#9) of the Course Syllabus.*

11. Course Outline and Schedule:

See table below

12. Additional References:

The library numerous titles related to “information systems” (books/journals in electronic format)
 The following books are also available:

- “**Using MIS**” by Kroenke, David, Publisher: Pearson/Prentice Hall, Date: 2009
- “**Introduction to Information Systems**” by Rainer, R. Kelly, Wiley, 2009
- “**Handbook on Decision Support Systems**” by Burstein, Frada, Springer, 2008
- “**Information Systems Today**” by Jessup, Leonard M., Pearson/Prentice Hall, 2008
- “**Application Cases in Management Information Systems**” by Morgan, James, McGraw-Hill Education, 2005.

Semester Schedule (subject to change)

wk	chap.	Topics for each week (3 hours per week)
1	1	Course Introduction / IS for Managers
2	1,2	IS versus IT / IS as a Socio-technical System
3	3	IS, Organizations and Their Impact on Each Other
4	4	The Impact of IT on the Competitive Landscape
5	5	E-Business: New Ways of Doing Business
6	6	Planning for the Use of IS Resources, Strategically
7	n/a	Mid-Term Exam (March 4, 2010)
8	7	Value Creation and Strategic Information Systems
9	8	IT-Based Strategic Initiatives: Theory and Models
10	9	Sustainable Competitive Advantage
11	10	Justifying and Funding the IT investment
12	n/a	Mid-Term Exam (April 15, 2010)
13	11	IS Development and Implementation
14	12	Emerging Trends in Information Systems
15	13	Security, Privacy and Ethics: <i>Last but NOT Least Important</i>
FNL	WK	Presentations (May 20, 2010 – Tentative)