



UNIVERSIDAD
esan

Course Syllabus

Management Information Systems for Finance

August – December 2018

IX Term

Professor

Marcos Isasi

I. General features of the course

Course : Management Information System for Finance Code : 04441
Prerequisite: Finance Technology of Information Semester : 2018-2
Credits : 4 Cycle : IX
Hours : 2 hours theory / 2 hours laboratory

II. Course Summary

This course provides information about the role played by information systems in organizations, its strategic contribution to the performance of the company and financial decisions making.

This course describes concepts about information systems and decision-making improvements, the strategic role of information systems and its ethical and social impact. It also covers technical concepts and software used for information systems, data administration, telecommunication and networks. Information systems organizational designs and implementation is also described, as well as information control and security, and the criteria for the selection of a Management Information System (MIS).

III. Learning goals

Managers have increasing responsibility for determining their financial information system needs and for designing and implementing financial information systems that support these needs. For that purpose, this course will:

1. Examine the various levels and types of software and information systems required by an organization to integrate the financial function of an organization.
2. Analyze the business issues, processes, and techniques associated with organizational financial information systems.
3. Assess and explain global issues surrounding the adoption of information technology for finance.
4. Explain basic concepts about information systems development, implementation and review and its implementation for finances.

IV. Learning outcomes

Students who has successfully completed this course will be able to:

- a) Understand basic information system concepts and apply them to finances.
- b) Identify the major components of a computer system, including hardware, software, operating systems and operating environments as they apply to management information systems (MIS) for Finance.
- c) Evaluate, select, and use computer-based information systems from a management perspective.
- d) Understand the interdependence and functionality of the hardware and software components of information systems and work with the MIS staff to make technical decisions
- e) Understand how to utilize large-scale computer applications systems to assist with financial management.
- f) Accomplish all objectives as an individual or in a team environment.

The course contributes to the accomplishment of the following results:

- (d) The ability to function in multidisciplinary teams.
- (g) The ability to communicate effectively.
- (h) A broad education to understand the impact of engineering systems in a global, economic, environmental and social context.

V. Methodology

During the development of Management Information Systems for Finance, course sessions are scheduled for presentation and discussion of theoretical aspects with the evaluation of practical tools.

Learning Teams Activities

ESAN students are expected to work effectively in diverse groups and teams to achieve tasks. They must collaborate and function well in team settings as both leaders and followers. They should respect human diversity and behave in a tolerant manner toward colleagues and peers. Some of the assignments in this class could be completed in Learning Teams of three to five students. If you experience difficulties working with your team, you are expected to resolve them within the team if possible. However, please feel free to contact me for guidance if you have concerns in this area.

Learning Teams should provide a brief summary of any communication held outside the classroom. If you have any questions, please contact me.

VI. Evaluation system

The evaluation system is integral and permanent. The course grade is obtained by averaging the continuous assessment (40%), the midterm exam (30%) and final exam (30%).

The weights within the ongoing evaluation are described in the following table:

PERMANENT EVALUATION 40%		
Type of evaluation	Description	Ponderation %
Participation, assistance y punctuality	Permanent evaluation	30
Lecture controls	Reading controls indicated in class	20
Assessments (Cases)	Assigned assessments	20
Final Work	Final assessments	30

The final score or grade calculates as follows:

$$G = (0,30 \times ME) + (0,40 \times PE) + (0,30 \times FE)$$

G = **Grade**
ME = **Midterm exam**
PE = **Permanent evaluation**
FE = **Final exam score**

VII. Course topics:

<i>WEEK</i>	<i>CONTENT</i>	<i>ACTIVITIES / EVALUATION</i>
LEARNING UNIT 1: INFORMATION TECHNOLOGY ORGANIZATION LEARNING OUTCOME: UNDERSTAND AND DEMONSTRATE SOLID FOUNDATION OF IT AND THE ROLE OF INFORMATION TECHNOLOGY IN ORGANIZATIONS.		
1• August 20 th August 25 th	<ul style="list-style-type: none"> Course Introduction Information Systems for Organizations 	
2• August 27 September 01 st	<ul style="list-style-type: none"> Organizing Databases and Information Database Systems and Business Intelligence 	
3• September 03 th September 08 th	<ul style="list-style-type: none"> Telecommunications and Networks Internet, Intranets and Extranets. 	Investigation: Open Source (G1)
LEARNING UNIT 2: IT BUSINESS APPLICATIONS LEARNING OUTCOME: RECOGNIZE AND COMPARE THEIR BUSINESS APPLICATIONS AND ITS IMPORTANCE FOR RUNNING BUSINESS.		
4• September 10 th September 15 th	<ul style="list-style-type: none"> Fundamentals of Information Systems Information age 	CASE 1 - Bank of America: Mobile Banking (G5) LAB: Data Modeling - Data Normalization 1 Exam 1
5• September 17 th September 22 rd	<ul style="list-style-type: none"> Knowledge Management and Specialized IS 	LAB: Data Modeling - Data Normalization 2
6• September 24 nd September 29 th	<ul style="list-style-type: none"> System development: Research and analysis Big Data 	Investigation: Social network advertising strategies (G2) LAB: Entity - Relationship Model 1
7• October 01 st October 06 th	<ul style="list-style-type: none"> Managerial Information Systems Cloud Technologies 	CASE 2 – Netflix (G4) LAB: Entity - Relationship Model 2 Exam 2
8• October 08 th October 13 th	MIDTERM EXAM	
LEARNING UNIT 3: IT STRATEGY LEARNING OUTCOME: UNDERSTAND HOW INFORMATION TECHNOLOGY STRATEGY IS APPLIED AS A COMPREHENSIVE PLAN FOR MANAGEMENT, AND HOW PROFESSIONALS USE IT TO GUIDE THEIR ACTUAL ORGANIZATIONS.		
9• October 15 th October 20 th	<ul style="list-style-type: none"> Customer Relationship Management (CRM) Enterprise Resource Planning (ERP) 	Investigation: PMP Project Management Professional (G4)
10• October 22 nd October 27 th	<ul style="list-style-type: none"> Competitive advantage with IT Creating competitive advantage with IT 	CASE 3 - Cisco Systems Architecture: ERP and Web-enabled IT (G3) Exam 3
11• October 29 th November 03 rd	<ul style="list-style-type: none"> Strategic Alignment (Vision) Futurology (IT) 	LAB: System Development 1

12° <i>November 05th</i> <i>November 10th</i>	<ul style="list-style-type: none"> • Development of IT Strategy • Electronic and Mobile Commerce 	Investigation: ERP – Enterprise Resource Planning (G3) LAB: System Development 2
13° <i>November 12th</i> <i>November 17th</i>	<ul style="list-style-type: none"> • Securing Information Systems • IT Strategic plan 	CASE 4 - Volkswagen of America: Managing IT Priorities (G2) LAB: Web Design 1 Exam 4
LEARNING UNIT 4: IT GOVERNANCE LEARNING OUTCOME: UNDERSTAND AND DEVELOP A PERSONAL APPROACH OF IT GOVERNANCE.		
14° <i>November 19th</i> <i>November 24th</i>	<ul style="list-style-type: none"> • IT Strategic Analysis • IT Outsourcing 	Investigation: Quantum Computers (G5) LAB: Web Design 2
15° <i>November 26th</i> <i>December 01st</i>	<ul style="list-style-type: none"> • IT Governance • Final Assessment 	CASE 5 - Xerox: Outsourcing Global Information Technology Resources (G1)
16° <i>December 03th</i> <i>December 08th</i>	FINAL EXAM	

VIII. Bibliography

Mandatory References:

- Ralph M. Stair and George W. Reynolds. (January 1, 2013). Principles of Information Systems, 11th Edition. Course Technology
ISBN-10: 1133629660
ISBN-13: 978-1133629665

Complementary References:

- K.C. Laudon and J.P. Laudon. (January 14, 2011). Management Information Systems, 12th Edition. Prentice Hall
ISBN-10: 0132142856
ISBN-13: 978-0132142854

And other publications and resources provided in class for further review.

PLEASE NOTE:

Internet searches will often take you to non-academic information resources such as Wikipedia.com, Ask.com, Encarta.msn.com, Infoplease.com, etc. You may supplement your research with these sources, but keep in mind that the information you find there may not be accurate, since it does not come under a formal oversight or peer-review process. While you may use and cite non-academic resources such as Wikipedia when working on assignments, you may not rely on them exclusively. The majority of your sources should be peer-reviewed academic journals. Further, remember that you are responsible for the accuracy of any facts you present in your assignments and therefore should confirm the veracity of information you find on non-academic sources through further research.

IX. Professor

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