

COURSE GUIDE: 2019-20

COURSE DETAILS			
Name :	IT Governance		
Code :	70934219	Plan :	Máster in International Business Administration & Languages
Academic year :	2019-20	Level :	Master
Course :	1	Type :	Elective
Semester :			
TIME DISTRIBUTION IN ACCORDANCE WITH REGULATION			
ECTS :	3	In-class hours:	22,5
		Not in-class hours:	52,5
		Total time (in hours):	75
USE OF VIRTUAL PLATFORM:	Support Teaching		

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ACTIVITIES ORGANIZATION	
<i>Planned activities for learning and workload distribution per activity (in hours)</i>	
I. STUDENT'S ACTIVITIES (In-class / Online)	• Seminars 6,0
	• Teaching group 6,5
	• Work group / small group 10,0
	<i>Total In-class/Online time :</i> 22,5

II. STUDENT'S AUTONOMOUS ACTIVITIES (not in-class)	•	52,5
	<i>Total not in-class time :</i>	52,5
TOTAL WORKING HOURS		75,0

ELEMENTS OF INTEREST FOR COURSE LEARNING

Justification of contents

Most organizations use Information Technology as a fundamental business tool and few can function without it. IT is also a significant enabler in the future business plans of many organizations. Therefore it is very important that executive directors know IT tools, control IT function and govern the IT as a business enabler.

Another interesting goal of this course is to discover new IT trends that can impact on the business.

Other courses related

This subject is slightly related to E-commerce.

Minimum knowledge required to deal with the Course

Basic Information Technology concepts.

COMPETENCIES

General competencies

General objectives of the University of Almería

To apply Knowledge to solve problems

Other general objectives

Specific competencies developed

- CEM32: To understand the importance of Information Technology (IT) and Information Systems, such as (ERP, CRM, etc.)
- CEM33: To understand the necessity of implementing new IT governance models in order to maximize returns that IT gives back to the business.

LEARNING OBJECTIVES/OUTCOMES

- To apply knowledge to new situations to solve problems related with technology and business fields in new environments.
- To understand the importance of IT and IS (ERP, CRM, ...) to integrate ideas and suitable technologies into a business solution.
- To understand how important the implementation of governance models is for making profit out of IT, and to learn to design decision-making processes in order to identify the best IT projects to meet the business goals.

CONTENTS			
Module	1. Information Technologies in a Business Context		
Content	IT doesn't matter		
Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Work group	Practical case		0,5
Teaching group	Debate		1
Description of autonomous workload			
Students have to study and document different real cases on how digital technology is transforming how business is done			

Module	2. Information Systems for Management		
Content	Enterprise Resource Planning Systems: ERP		
Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Seminars		1,0
Work Groups	Case Study		0,5
Description of autonomous workload			
Study of ERP software packages.			
Content	Customer Relationship Management Systems: CRM		
Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Seminars and Videos		1,0
Work Groups	Case Study		0,5
Description of autonomous workload			
Study cases of CRMs.			

Content	Decision Support Systems: DSS		
Learning system and methodology			

<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Seminars and Videos		0,5
Work Groups	Case Study		0,5
Description of autonomous workload			
Study of examples on how companies are using DSS			

Module	3. Enterprise Technology Trends		
Content	Cloud Computing. Internet of Things. Smart Cities		
Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Seminars, Videos		2,0
Work Groups	Case Study		1
Description of autonomous workload			
Study of real cases of social channels management			
Content	Big Data, Analytics, Artificial Intelligence.		
Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Conference, Videos		2,0
Work Groups	Case Study		1
Description of autonomous workload			
Case studies.			

Module	4. IT Governance: Frameworks and Standards
Content	Components of IT Governance

Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Seminars		1
Work Groups	Search, consult and evaluate information		1,0
Description of autonomous workload			
Study of the key decision areas for the corporate governance of IT.			
Content	ISO/IEC 38500, an international standard for best practice IT governance		
Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Conference		2,0
	Seminar		1
Description of autonomous workload			
Study the application of the six principles in a real case.			
Content	IT portfolio		
Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Seminar		1
Work Groups	Work group presentations		1
Work Groups	Case Study		1
Description of autonomous workload			
Create an IT portfolio for a business..			

Module	5. IT Security Management: Frameworks and Standards
Content	IT security. Key concepts
Learning system and methodology	

<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Teaching group	Seminars		1,0
Work Groups	Case Study		0,5
Description of autonomous workload			
Study of real cases.			
Content	ISO 27000 for information security		
Learning system and methodology			
<i>System</i>	<i>Learning procedures and activities</i>	<i>Observations</i>	<i>Hours In-class/ Online</i>
Work Groups	Seminar		0,5
Work Groups	Project Based Learning		1,0
Description of autonomous workload			
Study of real cases.			

EVALUATION SYSTEM

Assessment criteria

The student should attend to a minimum of 80% of the classes. If one student fails to attend to this minimum, the student should automatically follow the option B.

Option A. The evaluation of the students under option A will be as follows:

- 30% of the final mark will be based on a written exam (short open questions) to test the contents in modules 2 and 3.
- The remaining 70% of the final mark will depend on the evaluation tools used by the instructor during the classes in which students have to work in groups: 10% active participation, and 60% from the PBL assignments of the workgroup (group portfolio, reports, presentations, etc) to test the contents in modules 1, 4 and 5.
- Option B. This option consists in a final exam including short open questions and exercises. This option is suitable for students that failed to attend to the minimum of classes or that failed to finish the activities. Students may obtain a top mark of 70 out of 100 if they follow this option.

Marking system

	<i>Activity</i>	<i>(Number of hours)</i>	<i>Percentage</i>
I. STUDENT 'S ACTIVITIES (In- class/Online)	• Teaching group	12,5	30%
	• Work group/ small group	10	50%
II. STUDENT'S AUTONOMOUS ACTIVITIES (Autonomous work)	• Individual work	52,5	20%

Assessment instruments

- Group and individual self-assessment with rubrics
- Group portfolio and reports
- Final concept tests
- Interviews

Monitoring mechanisms

- Class Attendance
- Portfolio
- Hand in class assignments

BIBLIOGRAPHY

Recommended bibliography

Basic:

- Management Information Systems: Managing the Digital Firm. (Kenneth Laudon and Jane Laudon).
- IT governance: implementing frameworks and standards for the corporate governance of IT (Alan Calder , Steve Moir.)
- Modern ERP: Select, Implement, and Use Today's Advanced Business Systems (Marianne Bradford)
- Waltzing with the Elephant: A comprehensive guide to directing and controlling information technology (Mark Toomey)

Complementary:

- Information Technology for Management: Advancing Sustainable, Profitable Business Growth (E. Turban, L. Volonino, G. Wood)

Bibliography existing in the library of the University of Almeria

<http://almirez.ual.es/search/e?SEARCH=GOBIERNO>

WEB ADRESSES