# INFORMATION SYSTEMS MANAGEMENT

## Module Description

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### Lecturers

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### Tutorial Hours

Check [http://organizacionempresas.ugr.es/static/InformacionAcademicaDepartamentos/*/docentes/54a67caf8a3f1f037160cc0b517288bca](http://organizacionempresas.ugr.es/static/InformacionAcademicaDepartamentos/*/docentes/54a67caf8a3f1f037160cc0b517288bca)

### Prerequisites and/or Recommendations (if necessary)

Basic knowledge and skills in Strategic Management.
It is recommended to the graduates that access the master with degrees different from Economics or Business management that they attend all the subjects of the first trimester except Economic Analysis Techniques.

### Brief Description of Contents (According to Master's Verification Document)

1. Information Technology and Information Systems: main concepts and types.
2. Information Technology under a resource-based view perspective.
3. IT-enabled organizational resources.
4. Key e-commerce issues.
## GENERAL AND SPECIFIC COMPETENCES

### GENERAL COMPETENCES

**CG1** – That the student attain the ability for analysis and synthesis, which includes being capable of defining, distinguishing and relating both the basic concepts and the premises upon which the exposition of any argument is built, as well as stating and basing its content in a concise and critical way, in the context – scientific, political, economic, organizational or whatever the type may be – in which it is presented.

### BASIC COMPETENCES

**CB6** – To possess and understand knowledge that gives a basis or opportunity to be original in the development and/or application of ideas, often in a research context.

**CB7** – That the students know how to apply the knowledge acquired and their ability to solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to their area of study.

**CB8** – That the students are able to integrate knowledge and handle the complexity of formulating judgements from information that, being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgements.

**CB9** – That the students know how to communicate their conclusions and the knowledge and underlying reasons that sustain them to specialist and non-specialist audiences in a clear and unambiguous way.

**CB10** – That the students possess the learning skills to enable them to continue studying in a way that will necessarily be largely self-managed and autonomous.

### SPECIFIC COMPETENCES

**CE3** – Understand the relevant existing theories, tendencies and debates

### OBJECTIVES (EXPRESSED AS EXPECTED RESULTS OF THE TEACHING)

**Student will be able to:**

- Acquire bibliographic information about the current state of the art.
- Apply and extend existing theories to solve real problems.
- Plan and organize empirical studies.
- Program in specific software for the analysis of the data.
- Solve technical and practical problems related to the design of empirical studies.
- Solve technical and practical problems related to the organization, presentation and analysis of the data obtained from a study.
- Assist as support staff in research projects.
- Assist as support staff in consulting projects.
- Draw up scientific articles.
- Public presentation and defense of own work.
DETAILED SYLLABUS OF THE SUBJECT

1. The competitive landscape and the global economy.
2. Technology and technological changes.
4. The Resource-based view
5. IT and RBV
   5.1. Starting Reflections
   5.2. IT and the achievement of a Competitive Advantage
   5.3. IT complementarity
   5.4. Classification of IT resources
   5.5. Determination of a Competence in Information Technology
5. Impact of an IT Competence on Firm Performance: IT business value
   5.1. Information Technology Competence and Competitive advantage: an example of resource integration
6. Data analytic: Big Data

BIBLIOGRAPHY

Main textbook:

Recommended reading:


http://masteres.ugr.es/ugrme/
TEACHING METHODOLOGY

The teaching methodology is similar for each thematic session (as a module closed), articulated on the basis of selection, reading and general discussion of a selected number of book chapters and research papers considered by teachers. These materials are relevant on each of the topics covered by the program.

ASSESSMENT (ASSESSMENT TOOLS, ASSESSMENT CRITERIA AND PERCENTAGE OF FINAL MARK, ETC.)

According to the Rules of assessment and grading of the students of the University of Granada (latest modification approved by the Governing Board on 26th October 2016), the assessment of students’ academic performance will reflect public, objective and impartial criteria, and will preferably be continuous and ongoing.

With the purpose of assessing the acquisition of the contents and competencies to develop in the subject, the following assessment procedure will be used, continuous assessment being optional:

- Active participation in discussion sessions and the degree of interest of the interventions: 20%
- The resolution of exercises and case studies raised: 50%
- Final Exam: 30%
- Attendance to subject’s seminars is compulsory

Class attending is computed as the percentage of the sessions the student assist (including seminars specific to this subject). Participation is measured by presentations of exercises, press article and answers to quiz during the classes.

**Special Exam Session**
Students who failed or do not realise the assessment of the first call (ongoing evaluation or single final assessment) may realise a special exam.
Special exam sessions will take place in September (3rd-25th /2018). Date of the special exam will be fixed at least 15 days before the exam.

100% of the grade will correspond to that obtained in a final assessment of the following type:
- Written exam consisting in 10 shorts questions about the papers used during the classes (50%)
- To solve a case study given by the professors about one topic related to the subject (50%)

SINGLE FINAL ASSESSMENT

Article 8 of the current Rules for Assessment provides for the taking of a single final assessment, which students may apply for in the first two weeks of teaching of the subject (or two weeks following change of matriculation). Application is to be made through the electronic system to the coordinator of the master: https://sede.ugr.es/sede/catalogo-de-
The student should cite and accredit the reasons for not being able to undergo the system of continuous assessment (reasons of employment, health, disability or any other correctly justified cause), with the understanding that this assessment is undertaken in a single, academic act in order to accredit that the student has acquired in full the competencies described.

The single final assessment is obtained as 100% of the grade through an assessment of the same type as the special exam described in the previous section.

Date of the evaluation (ordinary call) will be fixed no longer than 2 weeks after the end of the lecture period and, at least 15 days before the exam. Date of the evaluation (extraordinary call) will be fixed in September (3rd-25th /2018) at least 15 days before the exam.