

## Course Syllabus

### INFORMATION SYSTEMS

Printed by: lisacabe

Program: Computer Science

#### 1. Course number and name

CCPG1011 - INFORMATION SYSTEMS

#### 2. Credits and contact hours

3 credits and 3 contact hours

#### 3. Instructor's course or coordinator's name

LUIS EDUARDO MENDOZA MORALES

#### 4. Text book, title, author, and year

\*KENNETH LAUDON, JANE LAUDON. SISTEMAS DE INFORMACIÓN GERENCIAL (14)

a. Other supplemental materials

\*Marta Peret.. Inteligencia Empresarial. Cómo transformar la información en ventaja competitiva. ()

\*Cristina Abad, Mónica Villavicencio, Edwin Boza, Glenda Ortega. Informe del estado de adopción de tecnologías de computación en la nube en el Ecuador ()

\*José Boccherini, Sofía Delclaux. Utilidad de las TI en las empresas y el necesario cambio de actitud de la dirección general. ()

\*Evgeny Káganer, Javier Zamora, Sandra Sieber. Cinco habilidades del Líder Digital ()

\*Ana Luzardo. 5 Ejemplos de crowdsourcing que pueden inspirar a tu empresa ()

\*Ric Merrifield. The Internet of Things is changing how we manage customer relationships ()

\*Bernard Marr. Big data case study collection ()

\*Departamento de Seguridad Informática. Material adicional del Seminario Taller Riesgo vs. Seguridad de la Información ()

\*KENNETH LAUDON, CAROL TRAVER. E-COMMERCE. BUSINESS. TECHNOLOGY. SOCIETY. (10)

#### 5. Specific course information

a. Brief description of the content of the course (catalog description)

The course covers the concepts of Information Systems at the organizational, administrative and technological levels. It integrates the technological concepts that you master from databases and programming, with the management and information requirements that organizations demand. This course is considered a link between the technical part of any organization and senior management. The course covers the following topics: introduction to information systems, information technology, management of information systems, e-commerce and e-business, information systems and enterprise, and security in information systems.

b. Prerequisites

DATABASE SYSTEMS - TICG1001

c. This course is a: Required

#### 6. Specific goals for the course

a. Specific outcomes of instruction



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1.- Explain the differences between information technologies and information systems through their functionalities and characteristics on information management.

2.- Identify the benefits of the use of information technologies and systems in various organizational contexts through the evaluation of case studies related to their application.

3.- Identify the ethical problems present in the professional practice for the analysis and decision making during the development of a project related to information technologies and systems.

4.- Design solutions to problems related to the use of information technologies and systems in organizational and global contexts through the formulation of projects with multidisciplinary teams.

b. Explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course

(3) Communicate effectively in a variety of professional contexts.

(5) Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

(7) An ability to lead, manage and undertake projects.

#### 7. Brief list of topics to be covered

1.- Introduction to information systems.

2.- Information technology

3.- Management of information systems.

4.- Ecommerce and ebusiness.

5.- Information systems and enterprise.

6.- Security in information systems.

