

Course Syllabus

COMPUTER PROJECT MANAGEMENT

Printed by: lisacabe

Program: Computer Science

1. Course number and name

CCPG1012 - COMPUTER PROJECT MANAGEMENT

2. Credits and contact hours

3 credits and 3 contact hours

3. Instructor's course or coordinator's name

LENIN EDUARDO FREIRE COBO

4. Text book, title, author, and year

*GIDO & CLEMENTS. GIDO & CLEMENTS (QUINTA)

a. Other supplemental materials

*Project Management Institute. Guía de los fundamentos para la dirección de proyectos (guía del PMBOK®) (5ta edición)

5. Specific course information

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

This course addresses topics focused on the planning and execution of projects related to information technologies to solve problems within organizations. It deals with the development of proposals and contracts, considering the analysis of costs, times and resources necessary for the effective execution of computer projects. Additionally, the main factors of the integration of projects and the regulations on intellectual property that relate them are analyzed.

b. Prerequisites

ENTREPRENEURSHIP AND INNOVATION - ADMG2001

c. This course is a: Required

6. Specific goals for the course

a. Specific outcomes of instruction

1.- Apply the methodology of projects according to the context of the problem as a basis for the development of proposals and contracts.

2.- Apply tools and standards in the development of project planning for the definition of scope, time and costs.

3.- Plan the needs of the technical resource as support for teamwork during the execution of the project.

4.- Understand institutional strategic planning as a basis for generating projects in a company.

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.

(4) Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.

(5) Function effectively as a member or leader of a team engaged in activities appropriate to the

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program's discipline.

7. Brief list of topics to be covered

- 1.- Profile of the direction of informatic projects
- 2.- Models of proposals, contracts and service levels
- 3.- Intellectual property regulations in computer projects.
- 4.- Main factors in the integration of computer projects.
- 5.- Estimation of cost, time, human capital and determination of the scope of computer projects.
- 6.- Preparation of the technical documentation of a computer project ("project" chart)

