

1. Course number and name  
IN2006 : Projects Engineering
2. Credits and contact hours  
3 - 0 - 8
3. Instructor's or course coordinator's name  
Graciela Caffarel Rodriguez
4. Text book, title, author, and year  
TEXT BOOKS: \* Jeffrey K. Pinto, Project Management: Achieving competitive advantage, , Pearson-Prentice Hall, , , Inglés, BOOKS FOR CONSULTATION \* Meredith, Jack R. & Mantel, Samuel J, ?X Project Management: A managerial approach, 6th, Wiley, , , Inglés, [13-978-471-74277-7]  
a) other supplemental materials
5. Specific course information
  - a. brief description of the content of the course (catalog description)  
This Projects Engineering intermediate level course provides students with the knowledge and tools needed to efficiently manage projects under the guidelines of project management and the financial evaluation of projects, in order to ensure successful completion when facing adverse and different scenarios. This course addresses topics related to the social and financial aspects of sustainable development. Prerequisite: basic mathematics. As a result of the course, students will be able to use project management and financial engineering methods and principles to evaluate a variety of solutions and manage investment projects in an efficient and effective manner.
  - b. prerequisites or co-requisites  
none
  - c. indicate whether a required, elective, or selected elective (as per Table 5-1) course in the program  
Required
6. Specific goals for the course
  - a. specific outcomes of instruction.  
Students will be able to: Plan, manage, and control the adequate use of human, material, and technological resources earmarked for a project. Select the best investment alternative and implement alternatives to fulfill the customer's expectations.
  - b. explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course.

Students will efficiently communicate findings of their projects and research orally and in writing

7. Brief list of topics to be covered
  - Engineering economy basic level
  - Project management