

1. Course number and name
IN2010 : Supply Management and Inventories
2. Credits and contact hours
3 - 0 - 8
3. Instructor's or course coordinator's name
Leopoldo Eduardo Cárdenas Barrón
4. Text book, title, author, and year
Sipper, Daniel., Planeación y control de la producción / Daniel Sipper, Robert L. Bulfin ; traducción de Marcia González Osuna, Silvina Hernández García., , México : McGraw-Hill, 1998., Mexico, 1998, spa, [970101944X]
* Nahmias, Steven, Production and operations analysis / Steven Nahmias, 3rd ed, Chicago : Irwin, c1997, Illinois, c1997, eng, [0256195080]

a) other supplemental materials
5. Specific course information
 - a. brief description of the content of the course (catalog description)
This intermediate level course provides students with the necessary tools to manage procurement and inventories effectively and efficiently to meet the production master plan and to contribute to the improvement of the organization's competitiveness. Prerequisites: Supply chain planning and programming. As a result of the course, students will be able to manage procurement and inventories.
 - 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: 1. Develop the most suitable procurement strategy for different classifications of supplies in the organization and to establish a supplier selection and development program for the key products. 2. Select the inventory management strategy that is most suitable for a product, calculate the operating parameters and administrate its operation. 3. Be able to use purchasing and inventory management software.
 - b. explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course.

Students will resolve problems in the area of industrial engineering and systems, using mathematical and scientific tools

7. Brief list of topics to be covered
 - Inventory management
 - Vendor Management Inventory
 - RFID technologies