

1. Course number and name
IN2008 Supply Chain Planning and Control
2. Credits and contact hours
3 - 0 - 8
3. Instructor's or course coordinator's name
Imelda de Jesús Loera Hernández
4. Text book, title, author, and year
* Steven Nahmias, Production and Operations Analysis, Quinta , McGraw Hill, , ,
Inglés,
a) other supplemental materials
5. Specific course information
 - a. brief description of the content of the course (catalog description)
This intermediate level course focuses on the medium and long-term operational planning philosophies, techniques and tools in the supply chain. Prerequisites: Probability and Statistics and Operational Research 1. As a result of the course, students will be able to generate a production master plan and a material requirement plan for an organization.
 - 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: Analyze and forecast the added demand of an organization's products. Develop a master production plan for an organization. Develop a material requirement plan.
 - b. explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course.
Students will design, model, analyze and improve products, processes and services using techniques and applying programming and process control tools; manage and evaluate projects; manage logistic operations and value chain; management a
7. Brief list of topics to be covered
Production planning

Master production plan
Material requirement planning