Objective : To educate students in the area of advanced production planning and control. Analysis and understanding of various aspects of static and dynamic production control systems.

Prerequisite : IMSE 350

Instructor : B. Gopalakrishnan, Professor, 325D MRB, Phone : 293 4607, Ext. 3709.
Email : bgopalak@mail.wvu.edu
Office Hours : WTh 1:30 – 3 PM or by appointment

Topics :

- Fundamentals of production and operations management
- Production planning and control methods for the job shop and flow shop
- Industrial forecasting
- Product strategies
- Process strategies and capacity planning
- Plant layout and location
- Inventory management and JIT
- Materials Requirement Planning (MRP) and MRP II
- Aggregate planning
- Production scheduling
- Case studies


Grade :
Exam I - 15%
Exam II - 15%
Exam III - 15%
Projects - 20%
Class presentations and discussion of case studies - 10%
Quizzes (can be given anytime during the class) - 5%
Final Exam - 20%.