

BUAD 327: Production & Operations Management I (December 2009)

Course Catalog Description:

A fundamental course in the concepts of production and operations management (P/OM), and the use of quantitative methods and computer applications related to effective control of products and operative systems. Topics include P/OM strategy and international competition issues, decision-making tools, linear programming, waiting line models, process strategies, work measurement techniques, and purchasing management and Just-In-Time strategies.

General Course Objectives:

The general course objectives are to introduce:

- 1) The basic principles, concepts and theories of production and service management to include current trends and best practices;
- 2) The support relationship between a company's corporate/business strategies and the operations (functional strategy);
- 3) Global production strategies; and
- 4) Various quantitative decision-making tools.

Specific Course Objectives:

The student who successfully completes this course should be able to:

- 1) Provide a brief history of operations management and current issues;
- 2) Explain achieving a competitive advantage through production;
- 3) Explain the issues and strategies involved with global production;
- 4) Explain capacity planning/utilization issues;
- 5) Use linear programming;
- 6) Use queuing models;
- 7) Perform a breakeven analysis;
- 8) Perform production forecasting using various techniques;
- 9) Explain various process strategies; and
- 10) Explain various production technologies.