

INFO 505 - Production/Operations Management
ON-LINE SECTION: *enrollment limited (max = 15)*

Dr. Nicole Koppel

Course Description:

This course emphasizes human and mechanical productivity in planning a comprehensive and effective production or operations system. We will employ a case approach to the study, formulation and solution of business problems, applying managerial, quantitative and information systems methodology.

Course Delivery:

This section of INFO 505 will be an **online/distance learning class**. All lectures will be delivered virtually, through Blackboard, and students will be able to view these lectures at any point during the assigned period. After viewing each lecture, students will complete a short on-line quiz; participate in an online discussion board; and complete a written case study. In addition, there may be assigned textbook chapters, supplemental articles, and short videos.

Completion of assignments will rely heavily on computer analysis, primarily using Microsoft Excel. Although tutorials will be provided for any new software tools, students are expected to be proficient in the use of Excel.

Please note: All learning objectives of this course will be completed online: students must be self-motivated, self-directed, and disciplined, especially about deadlines for assignments and class participation.

If you have not previously completed online coursework, and want to discuss its suitability for you, please contact Dr. Nicole Koppel at koppeln@mail.montclair.edu.

Course Objectives:

By the end of this course you will be able to use and appreciate many of the current quantitative techniques applied to common operations-research problems of business, industry and government. Students are introduced to numerous techniques for making quantitative business decisions and analyzing business problems from an operations prospective in areas of application that include mathematical programming, decision analysis, simulation, supply chain management, quality control, forecasting, inventory management, and project management. Lectures and assignments will focus on real-world situations and cases to explain, illustrate and demonstrate operations management concepts and techniques.

Prerequisites: INFO 501, INFO 503, and MGMT 505.