

Madison University – Distance Education
College of Science and Engineering
Degree Program: Master
Concentration: Engineering Management



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BMGT 50501

Intermediate Management

Basic theories and models concerning the management of people in organizations; relative impacts of various management structures and processes on employees and their performance; and examination of management functions and principles.

Textbook: Managerial Economics and Organizational Architecture

ISBN#: 0-072-31447-8

CSCI 50551

Intermediate Management Information Systems

Presents innovative strategies for the promotion of information literacy skills. Provides strategies to help find, analyze, synthesize and use information effectively. Explores current issues, such as building an awareness of bias-free materials. Intermediate study.

Textbook: Management Information Systems: Solving Business Problems with Information Technology, 3rd edition

ISBN#: 0-072-48942-1

ENGR 50511

Intermediate Engineering Safety

This course covers the methods of safety in the engineering field. Will cover OSHA safety requirements as they apply to this field of study.

Textbook: Methods Standards, 11th edition

ISBN#: 0-072-46824-6

QUAL 50501

Total Quality Management in Manufacturing

Describes the basic concepts of quality planning and quality control. Emphasis on quality improvement plans, Deming philosophy, and Juran's quality trilogy, the Deming prize and Baldrige award for quality excellence, and quality circles. Study of the statistical approach to quality control and the use of control charts and other quality control tools.

Textbook: Business Process Improvement

ISBN#: 0-07-026768-5

QUAL 50511

Concurrent Engineering

The study of multiple jobs operating jointly. Will discuss management, problem-solving techniques, communication skills, engineering study skills.

Textbook: Concurrent Engineering: Automation, Tools, and Techniques

ISBN#: 0-471-55492-8

ENGR 50521

Engineering Economy

This course introduces material on economic decision making to control manufacturing costs, as well as a thorough revision of the tax laws, new material on computerized spreadsheets, with computer problems throughout.

Textbook: Engineering Economy

ISBN#: 0-07-243234-9

MS 600 Master's Thesis

Master's Thesis.
