

OPMT COURSES

Opposite each course title are three numbers such as 3-2-4. The first number indicates the number of regular classroom hours for the course each week; the second number indicates the number of laboratory hours per week; and the third number indicates the hours of credit awarded for the successful completion of the course. Listed in parentheses at the end of each course description is the term(s) that the course is normally offered. F=Fall, S=Spring, and M=Summer.

The college reserves the right to cancel or delete any course with insufficient enrollment.

Courses

OPMT 3251. Principles of Operations Management. 3-0-3 Units.

Introduces students to an organization's resources and processes in its efforts to create products or services. The set of resources planned and managed includes the work force, equipment, materials and information. Topics include coverage of operations strategy and managing change, product design, process selection and planning, and controlling the supply chain.(F,M,S)

Prerequisites: Upper Division eligibility, BUSA 2106, MGIS 2201, and BUSA 2050 or MATH 2200 (or concurrent).

OPMT 3253. Introduction to Data Systems. 3-0-3 Units.

Introduces the concepts and terminology of data communications, network design, and distributed information systems. Emphasis is on management of equipment, architectures, and transmission alternatives. Prerequisites: Upper Division eligibility, MGIS 3351.

OPMT 3254. Computer Integrated Manufactur. 3-0-3 Units.

Introduces the concepts and terminology of computer integrated manufacturing with special emphasis on the practical application of automation technology. Topics include elementary programming structures, binary, octal and hexadecimal number systems, measurement theory and computer integrated manufacturing. Prerequisites: Upper Division eligibility, MGIS 2201.

OPMT 3257. Intro Object Oriented Program. 3-0-3 Units.

Introduces programming with a structured language. Emphasis is placed upon development of correct, efficient programs that are easy to maintain. Topics include problem analysis, program design, documentation, testing and debugging. Prerequisites: Upper Division eligibility, MGIS 2201.

OPMT 4253. Integrated Mat/Supply Chain. 3-0-3 Units.

Examines the technology, tools, and practices of modern integrated materials sourcing and logistics. Topics include distribution requirements planning, continuous replenishment, just-in-time, and efficient replenishment.(S)

Prerequisites: Upper Division eligibility, OPMT 3251.

OPMT 4255. Business Process Simulations. 3-0-3 Units.

Covers the basic techniques for computer simulation modeling and analysis of business processes in manufacturing and service industries. Course emphasis is on conceptualizing abstract models of real-world systems (for example, inventory or queuing systems), implementing simulations in Excel and special purpose software (ProModel), production planning and control simulation studies, experimental design, and analyzing simulation output.

Prerequisites: Upper Division eligibility, OPMT 3251.

OPMT 4256. Application Development. 3-0-3 Units.

Increases students programming and database skills in an integrated application development environment. Specific topics include basic database theory, creation of tables, queries, forms, and reports as well as programming with macros and sequential languages.

Prerequisites: Upper Division eligibility, MGIS 2201.

OPMT 4503. Quality Management Systems. 3-0-3 Units.

Examines the continuous quality management and improvement philosophy. Topics include strategic management, quality assessment, teams, the role of leadership, lean manufacturing, tools for improving, quality processes, techniques for charting attribute and variable data, Statistical Process Control, Six-Sigma, and lean manufacturing.(F,S)

Prerequisites: Upper Division eligibility; MNGT 3051, OPMT 3251, MGIS 2201.

OPMT 4700. Independent Study OPMT. 0-0-3 Units.

Supervised, in-depth individual research and study of one or more current topics in Operations Management in conjunction with an associated major project. Students will be required to prepare a formal report and presentation of the research topic and project.

Prerequisites: OPMT 3251.

OPMT 4800. Special Topics Oper Management. 3-0-3 Units.

Examines current, relevant topics in the field of Operations Management. Each special topics course will cover a new current topic.

Prerequisites: Upper Division eligibility, OPMT 3251.

OPMT 4900. Operations Mgmt Internship. 0-0-1-6 Unit.

Provides students with on-site work experience in Operations Management through a coordinated academic internship experience with a pre-approved employer. A portfolio chronicling the work experience, a project relating relevant academic literature to the Operations Management internship experience, and a final presentation encompassing the entire internship experience are required to receive academic credit.(F,S,M)

Prerequisites: Upper Division eligibility.