

IET 4135: IET Project Management

3 Credit Hours

Prerequisite: MATH 1113

Concurrent: MATH 1190

This course is a comprehensive study of project concepts, such as project definitions, systems and methodologies, project cycles, roles and responsibilities of leaders and members, and procedures used in industrial and production environments. Topics include scheduling, controlling projects, time-cost tradeoff, resource allocation and project cost control.

IET 4151: Operations Management for Engineers

3 Credit Hours

Prerequisite: (IET 2227 or STAT 1401) and IET 2000

This course includes basic production and inventory control systems. Areas of focus include forecasting, master planning, MRP, productivity, competitiveness, strategy, product and service design, process selections, capacity planning, and location planning.

IET 4400: Directed Study in Industrial Engineering Technology

(1-5), variable Credit Hours

Prerequisite: Permission of the instructor

This course covers special topics and seminars external to regular course offerings that allow a student to work individually with an instructor. Class structure and assessments depend upon the specific background and interests of the student and professor.

IET 4405: Operations Research - Concepts, Models and Methods

3 Credit Hours

Prerequisite: (IET 2227 or STAT 1401) and IET 2000 and MATH 1113

This course will introduce the students to quantitative techniques used in the solution of industrial operations problems. Topics include linear programming, assignments, transportation/shipment techniques, integer linear programming, and decision analysis.