

PMGT: PROJECT MANAGEMENT (PMGT)

PMGT 509. Project Management Systems. (3 Credits)

Fundamental elements of project management including project planning, organizing, team building, and effective control mechanisms. Critical factors for project success, organizational support systems; appropriate application of project management software to planning, control, and execution. The project management body of knowledge including professional and social responsibilities.

PMGT 511. Quality Management. (3 Credits)

Investigation of emerging principles of industrial quality and its implementation. Emphasis on the quality function, implementation, cost, and management in construction, manufacturing, and service industries. The course provides participants with a set of quality concepts, tools, and knowledge required for their application in quality planning, quality improvement, quality assurance and quality control.

PMGT 519. Project Planning & Scheduling. (3 Credits)

Project management skills needed to define, plan, monitor, and complete projects as well as to identify the tools and techniques to resolve problems. Scheduling fundamentals and methods of scheduling; network schedules and diagrams; scheduling calculations and the critical path. Prerequisite: PMGT 509.

PMGT 520. Project Communications. (3 Credits)

The processes associated with project communications management—communications planning, information distribution, performance reporting, and administrative closure to ensure “timely and appropriate generation, collection, dissemination, storage, and ultimate disposition of project information” (PMBOK).

PMGT 521. Estimating & Cost Mgmt. (3 Credits)

Processes utilized to acquire and/or purchase products, services or results needed from outside the project team to perform the activities/work. Tools and techniques for purchases and acquisitions; contract management, administration, and closure. Seller selection and responses. The legal rules/regulations pertaining to effective operation of projects. Prerequisite: PMGT 520.

PMGT 525. Contract & Procurement Mgmt. (3 Credits)

Using project scope statement, historical data and personal expertise to predict resource expenditure, total cost and duration of a project. Identification of constituent physical elements and related activities necessary to meet project objectives. Computation of elemental project cost; establishing project budget on the basis of the project estimate. Prerequisite: PMGT 519.

PMGT 527. Project Leadership & Hum Relat. (3 Credits)

The human side of project leadership; communication and conflict management issues; motivating, organizing, and managing project teams. Emphasis on experiential skill development, its purpose in helping participants to understand, analyze, and develop effectiveness in leading and managing others in project-based activities.

PMGT 532. Risk Mgmt and Analysis. (3 Credits)

Typology of risk exposures. Inputs to risk identification and management. Risk management stages in the project life cycle. Quantitative and qualitative risk analyses; risk response planning and management; risk monitoring and control. Prerequisite: PMGT 519.

PMGT 535. Change Management. (3 Credits)

Theories, principles, and forces of change in business, industry, service establishments. Perspectives on change—behavioral, psychodynamic, cognitive, and humanistic-psychology approaches; change management approaches, techniques, tools, process, strategy, and activities. The leadership of change and making change happen.

PMGT 570. Integrated Project Mgmt (CAPM). (3 Credits)

This course must be taken in the student’s final semester and will focus on integrating project management body of knowledge, skills and tools developed in previous courses. Emphasis on analysis, synthesis, and evaluation of theories and application of project management strategies. The CAPM credentialing is required.