



GRADUATE CERTIFICATE IN **Project Management**

Certificate Description

This certificate provides experienced professionals who possess a Bachelor degree the ability to obtain specialization in the field of Project Management to grow professionally.

Project Management: Integration, Scope, Time and Communication—MGT 637—This course offers a practical approach emphasizing the project phases and processes presented by such organizations as the Project Management Institute (PMI®) in their Guide to the Project Management Body of Knowledge (PMBOK®). This course will provide an overview of aspects related to the project life cycle and project management techniques that are used to manage projects that are on schedule, within budget. The student will learn the basic project management framework as well as the preparation of a basic project plan. Students will focus on project management processes including scope, scheduling, cost control, and communication.

Outcomes:

- Identify project stakeholders to assess their needs and issues at the beginning of the project.
- Analyze various organizational systems and determine how to integrate project management processes into various existing corporate structures.
- Explain the need for effective project and team communications systems to keep stakeholders informed of project status.
- Explain the need to manage project scope throughout a project's life cycle to provide closure to a properly executed project.
- Create a project plan (based upon the core planning processes) focused on customer needs and which effectively balances project and organizational objectives with stakeholder satisfaction and which addresses the nine project management processes areas.
- Discuss the impact of technology on business
- Use effective communication techniques.
- Recognize situations that present potential ethical and legal issues and develop solutions for those issues.
- Form an International operations strategy for a given scenario.



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Project Planning, Execution and Closure—MGT 647—This course offers a practical approach emphasizing the project phases and processes presented by such organizations as the Project Management Institute (PMI®) in their Guide to the Project Management Body of Knowledge (PMBOK®). This course will provide techniques related to managing projects through various life cycle stages.

Outcomes:

- Identify planning, execution, and closure project management issues.
- Describe the project management life cycle
- Evaluate the various project management tools used to analyze and improve processes
- Determine the costs, scope, quality, and risk issues associated with managing a project.
- Improve a process by mapping, analyzing, and redesigning the process.
- Use effective communication techniques.
- Recognize situations that present potential ethical and legal issues and develop solutions for those issues.
- Discuss the opportunities provided by technology for businesses
- Apply critical thinking skills to analyze business situations

Quality Management and Continuous Improvement—MGT 656—In this course students will explore the philosophy and tools for quality management and continuous improvement of products and processes. Using data collection and problem-solving techniques, students will examine the design of quality practices.

Outcomes:

- Describe time study methods and work sampling and perform calculations.
- Identify management quality initiatives, such as TQM, Six Sigma.
- Evaluate quality control tools used to analyze and improve processes.
- Determine the costs associated with quality.
- Improve a process by mapping, analyzing, and redesigning the process.
- Discuss the impact of technology on business.
- Use effective communication techniques.
- Recognize situations that present potential ethical and legal issues and develop solutions for those issues.



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Project Management: Cost, Quality, Risk and Procurement—MGT 657—This course emphasizes a hands-on approach to using project management knowledge areas to facilitate scheduling, estimating, tracking, and controlling the schedule and costs of the project. A project baseline will be set so that actual schedule and cost variances can be compared to the project baseline and corrective actions can be developed to address the variances. In this course the student can learn about the legal, ethical, and fiscal considerations in procurement and contracts. Students will examine ways of identifying, evaluating and mitigating risk in scheduling, cost control, contracting, and procurement.

Outcomes:

- Develop and apply Gantt Charts, CPM and PERT techniques to project management.
- Compare value and utility of different types of models in project management.
- Integrate contracting and procurement activities into overall project cost and schedule.
- Assess the effectiveness of a project's contracting and procurement strategy.
- Describe the need for measuring quality as an integral part of project management.
- Discuss general strategies and tools for identifying, evaluating and mitigating risk in project management.
- Use effective communication techniques.
- Recognize situations that present potential ethical and legal issues and develop solutions for those issues.