TEXAS A&M UNIVERSITY KINGSVILLE
CENTER FOR CONTINUING EDUCATION

Lean Six Sigma Green Belt and Black Belt (Exam Cost Included)

125 hours/6 months/Instructor-Facilitated/Certificate Program

Course Code: **CTP-GES275**

TP#: GES275 Course Cost: **$3,995.00**

Texas A&M University~Kingsville
In partnership with 360training.com
700 University Blvd
Kingsville, TX 78363-8202
http://www.tamuk.edu/continuinged/
(866)-991-3921 or (361) 593-2861

OVERVIEW

This online, combined Black Belt and Green Belt training course will teach you Lean Six Sigma process improvement projects from start to finish. Green Belt training will allow you to deliver measurable, sustainable improvement by finding the root causes of problems and streamlining processes. In Black Belt training, you will further develop your process improvement, project management, and leadership skills using clear language and plenty of practical examples.

This advanced, interactive and enjoyable online course draws on decades of success helping people from Fortune 500 Companies to Small-and-Medium sized Businesses. This course will begin to help you create happier customers, increase revenue, reduce costs, and improve collaboration. The fees for the Lean Six Sigma Green Belt and Black Belt Certification exams are included in the course.

OBJECTIVES

This course will actually prepare you to sit for two Lean Six Sigma certifications. Upon completion of the coursework, you will have acquired the Lean Six Sigma knowledge and terminology you need to sit for Lean Six Sigma Green Belt and Lean Six Sigma Black Belt certification exams through GoLeanSixSigma.com. You will receive vouchers and be able to sit for the exams after completion of the course. How you will benefit:

- Gain the education and training you need to successfully prepare for Learn Six Sigma Green Belt and Lean Six Sigma Black Belt certification exams
- Learn how to effectively streamline processes and reduce problems to save your organization time and money
- Develop project management, leadership, and communication skills that will enhance your career opportunities
- Work more collaboratively with various partners, stakeholders, and peers as you learn better communication skills
- Master how to plan and execute strategic Lean Six Sigma programs

STUDENT SERVICES

STUDENT SUPPORT SERVICES	INSTRUCTOR SERVICES	CAREER SERVICES
Study Groups	Answer Questions	Time Management Assistance
Student Success Calls	Mentoring	Labor Market Information
Study Schedules	24-hour Reply Time	National Certification Information
Technical Support	Industry Information	Externships
Extensions	Exam Reviews and Feedback	Check-in Emails
Leave of Absence	Write Recommendations	Student Feedback Surveys
Transcript Requests	On the Spot Test Results	
Completion Certificates	Progress Emails/Phone Calls	
Student Feedback Surveys	Student Feedback Surveys	

PROGRAM OUTLINE:

Lean Six Sigma Green Belt and Black Belt (Exam Cost Included)

Lean Six Sigma Green Belt
Introduction to Green Belt Training
- Overview of Lean Six Sigma
- The 8 Wastes (DOWNTIME)
- Lean Six Sigma Roles
- Project Selection
- DMAIC Overview

Define Phase – How to define the problem
- Create The Project Charter (Tool)
- Understand The Current State
- Develop Project Communication

Measure Phase – How to measure the current process
- Select Measures
- Plan For Data Collection
- Collect Baseline Data

Analyze Phase – How to identify the cause of the problem
- Conduct Process Analysis
- Conduct Data Analysis
- Brainstorm Root Causes
- Develop Root Cause Hypothesis
- Validate Root Cause Hypothesis

Improve Phase – How to implement and verify the solution
- Craft Solutions
- Filter Solutions
- Determine Solution Approach
- Conduct Risk Management

Control Phase – How to maintain the solution
- Create Monitoring Plans
- Develop Response Plans
- Document The Project
- Pursue Perfection

Lean Six Sigma Black Belt
Introduction to Black Belt Training
- Overview of Black Belt Training
- Project Selection - Advanced
- Build Leadership Skills

Define Phase
- Conduct Process Walks
- Strengthen Leadership Skills
- About Your Black Belt Project

Measure Phase
- Lay Statistical Groundwork
- Test your Measurement System
- Sample the Data
- Assess Process Capability
- Strengthen Leadership Skills

Analyze
- Lay Hypothesis Testing Groundwork
- Test Discrete Data
- Test Continuous Normal Data
- Test Continuous Non-Normal Data
- Test Correlation
- Strengthen Leadership Skills
- About Your Black Belt Project

Improve
- Design Experiments
- Strengthen Leadership Skills
- About Your Black Belt Project

Control
- Select Control Charts
- Create Visual Management
- Strengthen Leadership Skills
- About Your Black Belt Project

What You Will Learn:

- Define what Lean Six Sigma is, where it came from, and why organizations benefit from it
- Summarize the Lean Six Sigma Improvement method known as DMAIC (Define, Measure, Analyze, Improve and Control)
- Describe how to create a project charter, gather the voice of the customer, and build a high-level map of the process
- Describe how to select measures, plan for data collection, and collect baseline data about a process
- Describe how to conduct process analysis, conduct data analysis, and then brainstorm and validate root causes of process problems
- Describe how to craft, filter and determine solutions to process problems, and then mitigate the risks of process change
- Understand how to create monitoring plans, develop response plans, and document the project
- Identify which type of tests and control charts are appropriate for any given data set
- Understand how to construct an effective project storyboard
- HOW THE COURSE IS TAUGHT
- Self-paced, online course
- 6 months to complete
- Open enrollment, begin anytime
- 125 course hours
- HOW YOU WILL BENEFIT
- Gain the education and training you need to successfully prepare for Learn Six Sigma Green Belt and Lean Six Sigma Black Belt certification exams
- Learn how to effectively streamline processes and reduce problems to save your organization time and money
- Develop project management, leadership, and communication skills that will enhance your career opportunities
- Work more collaboratively with various partners, stakeholders, and peers as you learn better communication skills
- Master how to plan and execute

Instructor Bios:

Tracy O'Rourke

Tracy O'Rourke is a Master Black Belt with over 20 years of success helping organizations like the Department of Veterans Affairs, the State of Washington, Cisco, DC Shoes, GE, and Motorola learn and apply Lean and Six Sigma. Tracy is an accomplished facilitator, trainer, and presenter. She has a BA in English Literature from San Francisco State University and an MBA with emphasis in Leadership and Managing Organizational Change from Graziadio School of Business at Pepperdine University.

Elisabeth Swan

Elisabeth Swan is a Six Sigma Master Black Belt with over 20 years of experience consulting for organizations like Amazon, Charles Schwab, Burt's Bees, Microsoft, and Starwood Hotels and Resorts Worldwide. Swan is an accomplished consultant, designer, and executive coach with expertise in training, process-based organization design, problem-solving, and change management. She holds a Bachelor of Arts in English Literature from Barnard College.

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