



Six Sigma Green Belt 1
OMGT311
Southwestern College Professional Studies

COURSE SYLLABUS

I. Course Catalog Description

This course is the first of a two-part series to prepare professionals to participate on teams that are designed to improve, redesign, and create efficient, customer-focused business processes. It will provide an understanding of how Six Sigma integrates tools and best practices from various disciplines into a more powerful system of management. The teaming aspects critical to Six Sigma will be described.

II. Required and Supplementary Instructional Materials

Pande, P., Neuman, R., & Cavanagh, R. (2002). *The Six Sigma team fieldbook: An implementation guide for process improvement teams*. New York, NY: McGraw-Hill.

III. Learning Outcomes

Learning outcomes describe the knowledge, skills, values, and attitudes that learners gain as the result of a particular learning experience. Southwestern College Professional Studies has learning outcomes specific to each course and each [undergraduate](#) and [graduate](#) program of study, as well as [institution-wide outcomes](#) related to the mission and vision of the college. Outcomes can help learners and instructors focus on the big picture of the learning experience and can help inform potential employers about a graduate's knowledge and skills.

Upon successfully completing this course, the learner will be able to:

- This course will provide learners with a working knowledge of the DMAIC problem solving model and tool used in process improvement initiatives.
- Once a learner successfully completes a process/quality improvement project and successfully completes the Green Belt I and Green Belt II courses, Southwestern College Professional Studies will provide the learner with a Certificate of Green Belt Training.
- These classes provide needed background material for those desiring to pursue Six Sigma Black Belt Certification through the American Society for Quality.
- The learner will be able to apply class experiences to business process improvement in their own areas of expertise.

At the end of the course, learners may vary in their ability to achieve these outcomes. You are more likely to achieve these outcomes only if you attend class and/or online activities as required by the syllabus, complete the requirements for all assignments to the best of your ability, participate actively in class activities and group work as directed, and study diligently for exams.

IV. Course Policies

Students are expected to read and abide by the course policies located in the instructor-specific syllabus in the blackboard course.

V. Course Requirements:

Requirements	Number of Assignments	Points Possible	Percent of Grade
Discussion Boards	10	20	20
Abstracts	4	20	20
Application Paper	1	40	40
Mid Term Exam	1	10	10
Final Exam	1	10	10

Requirements	Number of Assignments	Points Possible	Percent of Grade
Total Points		100	100

VI. Course at a Glance:

Unit	Reading & Preparation Activities	Graded Work Due
1	<ul style="list-style-type: none"> • Chapters 1 – 4 	<ul style="list-style-type: none"> • Unit 1.1 Discussion • Unit 1.2 Discussion
2	<ul style="list-style-type: none"> • Chapters 5 – 8 	<ul style="list-style-type: none"> • Unit 2.1 Discussion • Unit 2.2 Discussion • Unit 2 Abstract
3	<ul style="list-style-type: none"> • Chapters 9 - 12 	<ul style="list-style-type: none"> • Unit 3.1 Discussion • Unit 3.2 Discussion • Unit 3 Abstract • Mid Term Exam
4	<ul style="list-style-type: none"> • Chapters 13 – 16 	<ul style="list-style-type: none"> • Unit 4.1 Discussion • Unit 4.1 Discussion • Unit 4 Abstract
5	<ul style="list-style-type: none"> • Chapters 17 – 20 	<ul style="list-style-type: none"> • Unit 5.1 Discussion • Unit 5.2 Discussion • Unit 5 Abstract
6	<ul style="list-style-type: none"> • Chapter 21 	<ul style="list-style-type: none"> • Application Paper • Final Exam

VII. Other Policies and Requirements

Follow this link to the Southwestern College Professional Studies [Standard Syllabus](#) in Blackboard. You may be required to log in.