



Lean Six Sigma White Belt (LSSWB) Course of Study

Introduction

Six Sigma focuses on measuring and quantifying the impact of an improvement project. It requires buy-in across the business for the project to make changes based upon those measurements irrespective of personal views. Guesswork and assumptions have no place, it is a precise process.

The goal of the Management and Strategy Institute is to teach you the key competencies required to function in the role of a Lean Six Sigma White Belt. As you go through the training material you will learn the competencies listed below.

The LSSWB exam is a timed, online exam.

- Required passing score: 13 of 15 questions answered correctly.
- Timed: 30 minutes.

Competencies

This course of study covers the following competencies:

History of Six Sigma

- Why is Six Sigma used in business, and where did it come from.
 - Learning Outcome: The Student will be able to define Six Sigma

The DMAIC Method

- Every Six Sigma project will follow the same process in a systematic and uniform method known as DMAIC, an acronym made up from the first letters of each element – Define, Measure, Analyze, Improve, Control.
 - Learning Outcome: Understand and define DMAIC

Why is DMAIC used

- DMAIC is a formalized problem-solving method which is designed to improve the effectiveness and ultimate efficiency of the organization.
 - Learning Outcome: Understand why the DMAIC process is utilized

Six Sigma Belts

- What is a Six Sigma White Belt, Yellow Belt, Green Belt, Black Belt, and Champion.
 - Learning Outcome: Understand the different belt levels.

Six Sigma Roles

- What roles do those belts cover, and how do I fit in.
 - Learning Outcome: Understand how belt levels fit into the roles of Six Sigma.

Basics of Lean

- What is Lean and how is it used within an organization.
 - Learning Outcome: Understand the basics of 'Lean' processes.

WBSim©

- Project Simulation
 - Learning Outcome: Walk through a basic simulation of a Six Sigma White Belt to gain an understanding of the role within a project.

Learning Resources

Recommended:

Material included with your purchase is recommended reading.

Free online training material provided by MSI. The material includes everything you will need to learn to pass the exam. This material is included for free with the purchase of your exam. It is in digital form, and available immediately after payment.

Optional:

This material is not required, however it will assist you in becoming Six Sigma Certified.

- Pete Pande, Larry Holpp (Oct 26, 2001), What Is Six Sigma?, ISBN-13: 978-0071381857

Preparing for Success

In order to successfully complete the LSSWB exam, you will need to make sure you have the appropriate resources to support your learning.

- A quiet location, free from distraction.
- Internet access.
- Current (newest) version of Internet Explorer, Firefox, or Chrome browser.
- Take study notes while going through the training.
- When you are ready to take the exam, you should allot 30-minutes of time.

Frequently Asked Questions

What happens if I fail the exam?

- You are given two additional attempts to pass the exam at no additional cost.

Will I receive Professional Competency Units (PCU's)?

- Yes, the Lean Six Sigma White Belt (LSSWB) exam awards 5 PCU's upon passing of the exam.