

Lean Six Sigma Green Belt (ISO18404)



In a nutshell

A Personal Learning Account is a new initiative from the Welsh Government. It is a free and flexible way to learn. The initiative will offer people the chance to access free, part-time courses that offer flexible and convenient learning around their existing lifestyle.

A certified Lean Six Sigma Green Belt is a professional who is trained in Lean Six Sigma methodologies and tools and can implement and sustain high-impact projects.

The Green Belt will teach you the tools and techniques to lead small to medium sized process improvement projects, as well as giving you the knowledge to train less qualified people in Lean Six Sigma.

This course is for...

... anyone over 19, living in Wales, in employment and earning less than £29,534 a year

... those who want to improve their skills and techniques needed to be able to confidently improve the quality and processes within an organisation



COURSE INFORMATION LEAFLET

Course content

The course includes:

Lean Six Sigma Fundamentals

What is Lean Six Sigma?

Process Flow and Value Stream Mapping

Muda, Mura and Muri – The three diseases of Processes

The Seven Wastes

Voice of the Customer (VoC) and CTQs

Cost of Poor Quality

Fundamentals Quiz

Define Phase

Problem Definition

Project Selection

Business Case

Project Charter

Measure Phase

Project Discovery

Six Sigma Statistics

Measurement System Analysis

Process Capability

Analyse Phase

Inferential Statistics

Correlation and Regression Analysis

Analyse Phase Quiz

Introduction to Hypothesis Testing

Improve Phase

Lean Tools for Improvement

Implementation Strategies for Improvements

Control Phase

Statistical Process Control (SPC)

Control Charts

Improve and Control Phases Quiz

Mock exams

DoE (Design of Experiments)

Revision and Rework of Mock Exam Questions

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studentrecruitment@colegwent.ac.uk | 01495 333777 (Croesawn alwadau yn Gymraeg)





COURSE INFORMATION LEAFLET

Entry Requirements

This Lean Six Sigma course is for those who have completed the Yellow Belt and are looking to upgrade to the Green Belt qualification.

Additional information

This course is delivered by virtual classroom. Virtual classrooms are equivalent to face-to-face classroom courses, but delivered in an online environment.

You will need to put aside 3 days to attend this course.

The course includes exams which are invigilated online and you need to have access to an internet enabled device with a microphone and a webcam.

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