

Montgomery County Community College
WDCBC 2036
Overview of Lean Manufacturing
0-2-0

Course Description:

Trains employees on some of the most effective problem solving tools associated with Lean Manufacturing. This course will build upon the knowledge gained in the general, six-hour lean manufacturing training

Requisites:

None

Previous or Concurrent Course Requirements

Requires basic knowledge of Lean Manufacturing

Course Comment(s)

None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Understand various problem solving techniques, including: Understanding, Plan Do, Check Act (PCDA)	In class participation and worksheets	Formative, in-class
2. Understand Root Cause Analysis	In class participation and worksheets	Formative, in-class
3. Understand 5 WHY's	In class participation and worksheets.	Formative, in-class
4. Understand Cause Effect/Fishbone Analysis	In class participation and worksheets	Formative, in-class
5. Understand Pareto analysis	In class participation and worksheets	Formative, In-class

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

Sequence of Topics:

1. Course Introduction
2. Understand various problem solving techniques associated with Lean Manufacturing
3. Understand Key Performance Indicators
4. Measure Results

Learning Materials:

Material will be provided by instructor.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

Course Approval:

Prepared by: Bernadette DeBias

Date: 9/20/18



Jim Fox, Executive Director, Workforce Development
Compliance Verification:

Date: 9/26/18

Revised by:

Date:

Jim Fox, Executive Director, Workforce Development
Compliance Verification:

Date:

This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.