GBMP Cellular Design

THIS COURSE INTRODUCES STUDENTS TO WORK CELL DESIGN AND ORGANIZING PHYSICAL OPERATIONS BY PROCESS FLOW AS OPPOSSED TO FUNCTION IN ORDER TO MAXIMIZE VALUE-ADDED WORK. THE MOST EFFICIENT WORKSPACE SHAPE IS THE U-SHAPE CELL WHICH MINIMIZES THE WASTES OF TRANSPORTATION, MOTION AND WAITING.

Overview: Attendees will get an overview of cellular design and learn how to plan and implement a continuous flow work cell, including the specific steps to design/establish flexible work cells from selection of products that can "flow" together to optimal layouts for best operator communication and feedback. Class time is set aside to allow attendees to engage in specific discussions on different types of cells and how to design and implement them on their own shop floor.

After taking this class attendees will be able to:

- ✓ Describe how cellular design is used to eliminate wastes of traditional layouts
- ✓ Explain how cellular design eliminates batch & queue and facilitates flow
- ✓ Plan and set up a one ore more continuous flow work cells
- ✓ Use standard work-in-process to limit inventory levels while maintaining flow
- ✓ Use spaghetti diagrams and standardized work layouts to plan and design work cells

Who should attend? This course is appropriate for team members, supervisors and managers who want to learn how to create cellular manufacturing and improve flow. It is especially relevant for lean teams who will lead the design and implementation of one or more work cells.

Time Commitment? 8 hours

Course Outline:

- What is Cellular Design?
- Different types of Cells including Straight Line, U-Shaped Cell , Fixed Position Cell, Balanced Cell, and the Circuit or Chase.
- Benefits of Cellular Designs versus Traditional Manufacturing Methods
- Simulating a Batch and Queue System and Cellular Design System
- Planning for Cellular Design
- Tools and Techniques for Creating Work Cells

617-710-7033

JMillman@gbmp.org
www.gbmp.org

Boston, MA