Module 2 Graded Quiz

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June 8, 2016

# Module 2 Graded Quiz

10 questions

*Correct - 1/1 points*

1. As production systems move from project arrangement to batch to assembly line to continuous arrangements:

Customer involvement with the process increases.

Demand volumes decrease.

**Products become more standardized.**

Processes become more flexible.

1 point

1. What type of process arrangement would a paper mill be most likely to use?

**Project** 2

Continuous flow

**Assembly line** 1

**Job shop** 3

*Correct - 1/1 points*

1. A big advantage of an assembly line layout is:

Its low equipment utilization

**Its low cost per unit**

Its support of highly skilled artisans

Its flexibility

1 point

1. Cycle time is not:

**Daily operating time divided by daily production** 3

**How often a unit rolls off the assembly line on average** 1

**The average time between two units at a work station** 2

The average time required to complete a unit from start to finish

*Correct - 1/1 points*

1. A facility with a capacity of 1,000 units and production of 800 units has a utilization of:

75%

**80%**

85%

125%

*Correct - 1/1 points*

1. Little's law states that the number of people in a waiting line is the average customer arrival rate multiplied by the:

Service time minus the waiting time

**Average time in the system**

Average wait time

Average yield

*Correct - 1/1 points*

1. Little's law can be stated as:

**Average Flow Time \* Average Flow Rate = Average Inventory**

Average Flow Rate + Average Inventory = Average Flow Time

Average Inventory \* Average Flow Rate = Average Flow Time

Average Flow Rate / Average Flow Time = Average Inventory

1 point

1. Effective capacity is impacted favorably by:

More unreliable raw materials

**Higher product variety** 1

**More consistent process quality** 3

**Allowing workers to use different work procedures** 2

1 point

1. Following the theory of constraints perspective, the pace of a non-bottleneck production activity is controlled by the pace of:

The bottleneck activity

**The team leader** 1

**The next (downstream) activity** 3

**The previous (upstream) activity** 2

Correct - 1/1 points

1. The overall (average) capacity utilization time for this four-activity assembly line with one resource at each activity and processing times in minutes for activity one through four of 2.30, 2.50, 2.20, and 2.00 minutes is:

13.33%

10%

86.67%

**90%**