

## Grading standards - Assignment 1

### Writing:

1. Reference (10 pts)
2. Grammar/Word Choice (10 pts)
3. Reads well (10 pts)
4. Organization/Tables, graphics, etc. (10 pts)

### Technical:

5. Define the issue (20 pts)
6. State the article position (10 pts)
7. React to the article (20 pts)
8. Conclude (10 pts)

## **Grading standards – Assignment 2**

### Writing:

1. References (10 pts)
2. Grammar/Word Choice (10 pts)
3. Reads well (10 pts)
4. Organization/Tables, graphics, etc. (10 pts)

### Technical:

5. Articles – select appropriate articles – from scholarly journals (20 pts)
6. Relationship to lean (20 pts)
7. Implementation issues (10 pts)
8. Comparison of articles (10 pts)

### Grading standards - Assignment 3

Question 1:

|  |        |
|--|--------|
| Description of elements                  | 10 pts |
| Mean/Standard deviation for each element | 10 pts |
| Mean/Standard deviation for assembly     | 10 pts |
| Other details                            |        |

Question 2:

|                               |        |
|-------------------------------|--------|
| Robotics/Automation           | 10 pts |
| Improvements in set-up        |        |
| Jig/Fixture                   |        |
| Work station                  |        |
| Effective usage of question 1 | 10 pts |
| Other details                 |        |

Question 3:

|                                  |        |
|----------------------------------|--------|
| Results for actual data          | 5 pts  |
| Results for sequential data      | 5 pts  |
| Results for random data          | 10 pts |
| How were random numbers obtained | 10 pts |
| Other details                    |        |

Question 4:

|                                   |        |
|-----------------------------------|--------|
| Listing out data                  | 5 pts  |
| Plot                              | 5 pts  |
| Computation of learning curve (%) | 10 pts |
| Other details                     |        |

Raw data (-5 pts if missing)

## Grading standards - Assignment 4

Question 1: (10 pts)

Question 2: (15 pts)

Question 3: (15 pts)

Question 4: Play the game. (10 pts) Try it and record your results at a number of intervals. (10 pts)

Question 5: Revise your strategy, write it down and try again. (10 pts) Record your results. (10 pts)

Question 6: Discuss the strategies and the results in terms of the principles presented in The Goal. (20 pts)

## **Grading standards - Assignment 5**

2 Process flow charts – 50 points each

We look for enough detail to be useful:

- Description of what is happening including notes that make the flow clearer
- Sub-process: flows that feed other flows

## **Grading standards - Assignment 6**

Question 1 (10 pts)

Question 2 (10 pts)

Question 3 (10 pts)

Question 4 (10 pts)

Question 5 (60 pts)

## Grading standards - Assignment 7

Question 1:

- a) schedule (20 pts)
- b) Gantt chart (15pts)
- c) mean flow time (5 pts), waiting time (5 pts) idle time (5 pts)

Question 2:

- a) SPT schedule (10 pts)
- b) EDD schedule (10 pts)
- c) ST/O schedule (10 pts)
- d) flow time (5 pts) lateness (5 pts) and work in process inventory (waiting times) (5 pts)

## Grading standards - Assignment 8

### Writing:

1. Reads well/Grammar (20 pts)
2. Reference in body/List (10 pts)
3. Organization/graphics (10 pts)

### Technical:

4. Discussion of lean (30 pts)
  - Definition
  - Basic principles
  - How to implement
  - Use of sources
5. Plant tour rating (30 pts)
  - Each plant discussed
  - Scheme develop to rate
  - Rating justified