A. Course Description

- **Credits:** 1.00
- **Lecture Hours/Week:** 1.00
- **Lab Hours/Week:** 0.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

This course involves the relationship between quality and Lean Manufacturing. Learn how to determine value, metrics, and the constraints of Lean Manufacturing. Compare and contrast traditional manufacturing processes to Lean Manufacturing. Prerequisite: None.

B. **Course Effective Dates:** 1/7/02 – Present

C. **Outline of Major Content Areas**

   As noted on course syllabus

D. **Learning Outcomes**

1. collect data
2. compare and contrast Lean Manufacturing with Traditional Manufacturing
3. conduct marker comparison
4. define value
5. discuss constraints in the process
6. discuss metrics
7. discuss mixed model sequencing
8. discuss preparation for processing
9. discuss the point of supply
10. discuss the workplace organization
11. examine quality problems
12. explain assembly processes
13. explain batch time and queue time
14. explain market changes and flexibility
15. list quality improvements
16. process data
17. respond to data results

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted