

Course Outcomes ADM 201

Course Title: ADM 201 Lean Manufacturing & Quality Assurance

Course Instructor(s): Anthony Valente, TBD

Programs: Advanced Manufacturing Systems

Expected Learning Outcomes

Students will understand and apply Total Productive Maintenance concepts.

Students will understand and apply Lean Manufacturing concepts.

Students will understand and apply Six Sigma concepts.

Students will demonstrate an understanding of team work and its benefits.

Students will demonstrate an understanding the effects of negativity and culture change.

Students will understand and apply Problem Solving and Decision Making techniques.

Assessment

Assessments will include:

3 Written examinations

Web based assignments.

Validation

1. The evaluation of student performance and ability to transfer knowledge to next level of class in the program.
2. Consult Advisory Committee participants as to performance of interns and hired students based on ability and knowledge gained.
3. Review and data collection from external internship evaluations.

Results

The results of the testing and final examination will show the level of retention of the classroom materials.

The results of the lab exercises and assignments will show the ability of the student to transfer textbook information to hands-on applications.

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The results of the Advisory Committee input will allow us to place a rate of success in our database for ongoing improvement to the course and advise us of changes in technology and industry standards.

Follow-up

The data will be evaluated to improve teaching techniques

The data will be evaluated to help us remain up to date with technology changes.

Budget Justification

Update textbook to include changes in technology