Arizona Sun Corridor - Get Into Energy Consortium TAACCCT Round 2 Grant (TC-23759-12-60-A-4)

Third Party Review of Curriculum and Related Educational Resources

College Northland Pioneer

Course Number MET 230

Course Title Integrated Manufacturing Systems

Item Description New Course Form

Reviewed by BP

Review Date(s) March 2016

Course Number Yes

Course Title Yes

Course Description Yes

Pre-requisites Yes

Co Requisites None noted

There are a large number of outcomes that could be combined from four down to one. The writer has used Operate, design, develop and

implement in nearly all groupings of outcomes. Should arrive at one that captures all three. It is extremely difficult to believe an instructor will evaluate 39 individual outcomes in a single three credit course. This

needs to be made more manageable.

Student learning outcomes and competencies are clearly

identified No

Required and recommended texts and other materials are clearly

identified No None are provided. Perhaps all are drawn from pre-requisite courses.

Description of strategies for student success or available assistance	No	Nothing provided. Perhaps is included in the syllabus but that was not made available.
Description of how course prepares student for a certificate or degree	Yes	Rationale statement provides reasonable description.
Description of how course/item is relevant or applicable to occupation or industry	Yes	Rationale statement provides reasonable description.
Description of assessments, evaluation, exams and grading process	No	Nothing is provided to tell the student what will be the measure of success or failure in this course. Since every objective provided is a performance objective, I find it difficult to understand how a written exam will be used. The course topics implies that students will be working on multiple different projects so successful performance will likely require a different metric for each student or team.
Evidence of industry input, review and approval process	No	Nothing provided to indicate industry involvement.
Evidence of college review and approval process	Yes	States completion on 2-27-13. This reviewer expects a higher quality syllabus should have been produced since that date.
For items not directly related to a course, any evidence of quality control process	NA	

The overall quality is a sufficient
representation of college and
industry standards

No

Seriously lacking in quality to convey a strong message to the student in the course. Much work needs to be done or a syllabus provided to show better development has occurred.

Other notes

The course is indicated to have two hours of lecture per week. All outcomes provided are performance statements that would be achieved in a lab setting. Either the course outcomes need to change or the credit structure needs changed to match outcomes.