

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	MET110
Course Title	Manufacturing Fundamentals
Item Description	New Course Form and syllabus
Reviewed by	BP
Review Date(s)	March 2016

Course Number	Yes
---------------	-----

Course Title	Yes
--------------	-----

Course Description	Yes
--------------------	-----

This description appears to have been modified by adding one word "energy". This reviewer finds this word included here and never mentioned again in the outcomes of the course. There is no course description on the syllabus. This appears to be an old course that needs updating, but this is the only change made.

Pre-requisites	Yes
----------------	-----

Academic placement test result required

Co Requisites	None
---------------	------

Student learning outcomes and competencies are clearly identified	Yes
---	-----

The outcomes listed on the new course form appear to be a good representation of the manufacturing industry foundations. Looking through the syllabus provided a totally opposite focus is presented, that being an alignment to the EIF for the first 10 weeks of the course.

Required and recommended texts and other materials are clearly identified	No	Reference is made on the syllabus that books will be provided and references of web addresses to be used. Reference should be provided where EIF modules will be accessed. Also should provide information on where NCCER materials are found.
Description of strategies for student success or available assistance	No	Only reference is for students with disabilities. Are there other support services available or tutoring or the like? Should also be included.
Description of how course prepares student for a certificate or degree	Yes	Is provided in rationale statement on new course form but is not included in syllabus. Should be replicated in some form in the syllabus.
Description of how course/item is relevant or applicable to occupation or industry	Yes	Is provided in rationale statement on new course form but is not included in syllabus. Should be replicated in some form in the syllabus.
Description of assessments, evaluation, exams and grading process	Yes	A guideline is provided about percentages that earn certain grades. Very general information is noted in course content statement. Would be good to provide more detail in this area.
Evidence of industry input, review and approval process	Yes	EIF, NCCER, Amatrol trainers, WorKeys
Evidence of college review and approval process	Yes	New course form indicates 2/27/13

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

There needs to be congruence between the documents. The new course form indicates a very different series of outcomes from what is presented in the syllabus. This needs significant clean-up. Even the course title on the syllabus has two different names.

Other notes

This course lacks integrity based on the materials provided.

The syllabi for all of this group of courses are exactly the same except for course title, number and calendar. This reviewer believes there is a great deal of work needed to make this a good presentation to the student of the course.