

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 MET160  
 Course Title Rotating Electrical Machines

Item Description This course covers the principles, application, troubleshooting and maintenance of rotating electrical motors and electronic motor drives as used in industry.  
 Reviewed by AJZ  
 Review Date(s) 3/13/2016

Course Number	Yes/No/DNA	Comments
Course Number	Yes	The credit load of the class on the New Course Form is listed within the name. Recommend identifying as the credit number to not confuse with the session/level of the class.
Course Title	Yes	Not in Syllabus
Course Description	Yes	
Pre-requisites	Yes	
Co Requisites	None	
Student learning outcomes and competencies are clearly identified	No	There are 37 Outcomes. These are valid but could be condensed. What is listed are lesson outcomes vs. class outcomes. In the syllabus there are no outcomes listed.
Required and recommended texts and other materials are clearly identified	No	When using a high level outcome verb such as troubleshoot there needs to be more direction on how troubleshooting will be taught. With 37 outcomes and about 10 outcomes that include the word troubleshoot, there is too much information to loose direction.
Description of strategies for student success or available assistance	Yes	Looking at the course schedule it does not align with the outcomes. There is perfect motor control information in the schedule. The outcomes, if they were condensed, could be the structure of a motor control I and motor control II class set.
Description of how course prepares student for a certificate or degree	No	There is direction that the tests will be given as the student goes through the class.
Description of how course/item is relevant or applicable to occupation or industry	No	There is information listed on Student Success, Conduct and Attendance.
Description of assessments, evaluation, exams and grading process	No	
Evidence of industry input, review and approval process	No	
Evidence of college review and approval process	No	
For items not directly related to a course, any evidence of quality control process	No	
The overall quality is a sufficient representation of college and industry standards	No	

Looking at all the syllabi from this campus there is no difference. Every class has the same information with the exception of the course schedule. There is no reference to learning outcomes or what the student can succeed in.

One other consistent factor is that these classes have much more information being delivered compared to the credit value of the class.

Syllabus is not labeled that it is a syllabus.

Not sure how the credits work out at this school but I am not able to see how the credits breakdown. Some Examples-  
 2 Lecture Hours + 3 Lab Hours = 3 Credits  
 3 Lecture Hours + 3 Lab Hours = 4 Credits  
 4 Lecture Hours + 3 Lab Hours = 5 Credits  
 4 Lecture Hours + 6 Lab Hours = 6 Credits

Other notes