

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	IMO208
Course Title	Introduction to Energy Generation and Distribution
Item Description	New Course Form and Modification to Program form
Reviewed by	BP
Review Date(s)	March 2016

Course Number	yes	This form states rational for course change
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Course Title	Yes
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Course Description	Yes	The description makes sense to the course title. However, the rationale that follows appears to be stuffing several loosely related subject areas into this course. It is difficult to determine from these materials if the content is adequate for the credit value assigned. If the course is a delivery of the EIF curriculum, it would seem that 3 credits would be very adequate for that material. The structure appears to be flawed. The second line of the description needs editing: remove "to".
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Pre-requisites		None are identified
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Co Requisites	Yes	HDE Workforce Skills
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Student learning outcomes and competencies are clearly identified	No	There are many items listed as course outcomes. This is not well described and feels very disjointed. The course topics provide a series of areas for instruction. Following that the course outcomes are not well aligned and jumps from subject area to subject area, some outlining a test criteria in such a generic way it does not convey a performance metric that will make sense to the student. Several acronyms (OTORI, AOOPP...) are included but don't seem to be linked to anything directly. While those may be for units of instruction, they either need to be explained or omitted in this document as they add to the confusion. Faculty needs to adopt one style of format and make it more clearly convey a message that will inform.
Required and recommended texts and other materials are clearly identified	No	None identified
Description of strategies for student success or available assistance	No	Nothing is provided in this document
Description of how course prepares student for a certificate or degree	Yes	Introductory course.
Description of how course/item is relevant or applicable to occupation or industry	Yes	Introductory course.

Description of assessments, evaluation, exams and grading process	No	There are references to 80% minimum in several places so one could assume that is to a written test. However, the assessment methods states there is demonstration of skills and I am unable to find anything that describes how those might be evaluated. The areas that appear to be hands on only provide titles and no further information. Very unclear how performance will be measured.
Evidence of industry input, review and approval process	??	A statement is included stating the IMO advisory committee recommended a course that covers a broader area of the Power and Energy industry. As a reviewer I am not able to determine what that means. The EIF content is intended to be a fairly broad overview of the industry. However, the time allocated to this content appears to be far more than the content would require. Of note is the curriculum follows the course developed by CEWD.
Evidence of college review and approval process	Yes	Dates indicate approval on 12/11/14. If that is accurate, the faculty should have a much better developed syllabus to submit.
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	This needs significant work to be considered a quality course guide.
Other notes		The hours of this course do not make sense to me. The course is identified as six credits. The contact hours do not appear to follow what this reviewer considers a normal schedule. I am not able to find a lecture/lab credit distribution which may help explain this.

