

## **MoSTEMWINS Curriculum Review Rubric Fall 2016/Spring 2017**

**Program Reviewed: Fluid Power IFPS Mobile Hydraulic Mechanic (MHM) certification**

**College: Mineral Area College**

**Reviewed By: Thomas Blansett**

**Date: 25 July 2017**

### **Review scale definitions:**

**Exceptional:** Review component is a “best practice” and represents a model for replication.

**Very good:** Review component is complete and effective.

**Good:** Review component is adequate but presents opportunities for improvement.

**Ineffective:** Review component is weak and in need of significant improvement.

**No or Insufficient Evidence:** Review component was not covered or information provided in the documents was insufficient for assessment.

<b>Curriculum Map, Career Ladder/Stackable Credential Documentation, Syllabi</b>	<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Ineffective</b>	<b>No/Insufficient Evidence</b>
1. Program CIP code/s appropriate to program title and outcomes.		X			
2. Effective program structure (prerequisites, course sequence, stackable credential-structure provide a clear, logical path to completion).			X		
3. Outcomes aligned to occupational focus (industry skills and standards) and prepare students for appropriate industry certification/s.			X		
4. Outcomes are clearly stated.			X		
5. Outcomes are introduced and reinforced effectively.			X		
6. Course objectives are clearly stated and measurable.			X		
7. In multi-course programs, course objectives support one or more program or student learning outcome. In single-course programs, modules support one or more course objective.			X		

**Comments or recommendations specific to each section rated:**

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

General comments or recommendations:

<b>Instructional Materials and Lab Resources</b>	<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Ineffective</b>	<b>No/Insufficient Evidence</b>
1. Support stated course or unit learning objectives.			X note 1		
2. Meet/reflect current industry practices and standards.			X		
3. Provide options for multiple learning styles.			X note 2		
4. Instructional materials are cited properly.			X note 3		
5. There is evidence of materials and resources that support on-line or technology-enabled learning.					X note 2

**Comments or recommendations specific to each section rated:**

1. While some instructional materials are identified, there is no evidence submitted that the lab materials are sufficient to provide adequate hands-on reinforcement as the labs aren't documented and some of the labs are titled such that they seem inappropriate to the learning activities associated with them on the syllabus.

2. While online learning is a stated goal of the program, there doesn't appear to be any offerings as of materials submitted.

3. Some materials are listed on some of the documents and not listed on others - i.e. Eaton Mobile Hydraulics manual

4.

5.

General comments or recommendations:

<b>Overview Table: Objectives, Modules/Units, Learning Activities and Assessments</b>	<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Ineffective</b>	<b>No/Insufficient Evidence</b>
1. Modules/units are linked to course objectives.			X note 1		
2. Learning activities promote achievement of stated module/unit objectives.			X note 2		
3. Learning activities provide opportunities for interaction and active learning.		X			
4. Learning activities provide options for multiple learning styles.			X		
5. Learning activities are linked to current industry practices, standards and certifications.		X			
6. Learning activities demonstrate evidence of innovation or enhancements to support adult learner success.			X note 3		
7. Materials/resources (to include equipment, tools and software) are used in a way that students understand their purpose and use in industry settings.			X		
8. Assessments measure stated learning objectives and link to industry standards.			X note 3		
9. Assessments align with course activities and instructional materials and resources.			X note 3		
10. Assessments are sequenced throughout the instructional period to enable students to build on feedback.			X		
11. Assessments are varied and appropriate to content.			X note 3		
12. Assessments provide opportunities for students to measure their own learning progress.			X note 3		

**Comments or recommendations specific to each section rated:**

1. Modules identified in Curriculum map doesn't align with course materials in some areas – example designing circuits: identified in curriculum map but not identified elsewhere as an objective and there aren't any identified materials or courseware delineated that support this module/unit.
2. Unable to determine if lab activities are designed to promote achievement of learning objectives as the lab materials weren't present to review.
3. While there is evidence that a final exam is part of the assessment process as well as lab exercises; no materials were submitted that permit an evaluation of the final exam or the lab exercises.

General comments or recommendations:

<b>Innovative or Enhanced Strategies</b>	<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Ineffective</b>	<b>No/Insufficient Evidence</b>
1. Accelerate Entry into Career Programs  Refine assessment, transform developmental education and add support services to meet the needs of participants		X			
2. Create Clear Pathways to STEM Careers  Expand access to and/or develop new stacked and latticed credentials in programs that meet employer needs		X			
3. Improve Employment Attainment  Collaborate with industry, WIBs, state, and community-based organizations to engage, guide and employ participants		X			
Comments or recommendations specific to each section rated:  1. 2. 3.  General comments or recommendations:					

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