

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

**Program Reviewed: Fluid Power IFPS Industrial Hydraulic Mechanic (IHM) certification**

**College: Mineral Area College**

**Reviewed By: Thomas Blansett**

**Date: 24 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 1			
4. Instructional materials are cited properly.			X		
5. There is evidence of materials and resources that support on-line or technology-enabled learning.		X			

**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 or tied to the appropriate learning outcomes.

2.

3.

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		
2. Learning activities promote achievement of stated module/unit objectives.			X note 1		
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 2		
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 note 3		
8. Assessments measure stated learning objectives and link to industry standards.			X note 4		
9. Assessments align with course activities and instructional materials and resources.			X note 4		
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 4		
12. Assessments provide opportunities for students to measure their own learning progress.			X note 4		

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

1. Unable to determine if lab activities are designed to promote achievement of learning objectives as the lab materials weren't present to review.
2. Not able to evaluate the hands-on activities to determine their applicability or effectiveness.
3. Lab procedures not submitted to determine if these are relatable to industry applications.
4. 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.

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*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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