

MERLOT – SKILLSCOMMONS Peer Reviewer Report Form (V 52218)

Name of Learning Material:	Course: NSC Mechatronics Technology Certificate Program - Pneumatics and Hydraulics
SKILLSCOMMONS URL:	https://www.skillscommons.org/handle/taaccct/4219
Learning Material URL:	
Reviewer's Name:	Robert E. Speckert
Date Review Completed:	28-Jun-18
Review Time Required:	2HRS
Rejected? Y/N	N
Description	
<p>1. Overview: Describe overview, features and descriptions, uses, and applications. Include cost, if any for apps</p>	<p>This Pneumatics and Hydraulics course is one of twelve courses in the NSC Mechatronics Technology 30-credit certificate program. The Teaching Toolkit for the course includes a course overview (the Read Me First document), a learning outcomes map, a suggested syllabus, lesson plans, and supplemental materials. The course also includes online modules that are designed to help students through common sticking points and better prepare them for face-to-face instruction. Sticking points are available online via the Open Learning Initiative (OLI) platform see link below; the OLI materials provide feedback to learners and instructors based on student use of the interactive activities. These modules can be reordered or combined with other OLI content to meet specific instructional needs, and can be used via an institution's LMS or served directly through the OLI platform.) In addition to curricular materials, this file includes the NSC Mechatronics Technology Program Guide which provides a full overview of the NSC Mechatronics Technology Certificate program, including information about the industry, the curriculum, program infrastructure, the role of the business community, and student success strategies. Colleges interested in other courses in the Mechatronics Technology Certificate program, or considering adopting the full program, can find the individual courses in the National STEM Consortium's Learning Resources Collection in SkillsCommons. Look for the twelve courses with the name beginning Course: NSC Mechatronics Technology Certificate Program. The full NSC Mechatronics Technology program, including the interactive online modules, also is available on the Open Learning Initiative website, www.oli.cmu.edu (see link below). All NSC curricula were reviewed by industry subject matter experts.</p>

<p>2. Type of material: Animation, assessment tool, assignment, case study, collection, development tool, drill and practice, e-portfolio, learning object repository, online course, open journal article, open textbook, presentation, reference material, simulation/game, social networking tool, quiz/test, tutorial, workshop and training material.</p>	<p>Online Course</p>
<p>3. Technical requirements: Browser, software or plug-in, Java, HTML, Flash, etc. You can test how it appears on Internet Explorer at http://ipinfo.info/netrenderer/ Note type of device if it is an app (iPad, Android, phone, etc.)</p>	
<p>4. Identify major learning goals/ curriculum objectives: Purpose of site, goal for learner/user.</p>	<p>This course is very well structured and detailed. Curriculum mapping of learning outcomes and course mapping of learning outcomes is useful.</p>
<p>5. Recommended uses: In-class, homework, individual, team, lecture, etc.</p>	<p>In class discussions, labs, and many practical hands-on activities.</p>
<p>6. Target population: Level, course or subject matter, other user groups</p>	<p>College students, adults, etc. with 12th grade reading and college ready math.</p>
<p>7. Prerequisite knowledge or skills needed: Course or subject matter, computer skills, other miscellaneous skills</p>	<p>12th grade reading; college ready math.</p>
<p>8. Application to industry recognized certification: Name of credential or certification.</p>	<p>Mechatronics Technology Certification</p>

Evaluation and Observations: After reviewing the learning material, please indicate your agreement with the following statements by utilizing the scoring scale: 4=Strongly Agree; 3=Agree; 2=Disagree; 1=Strongly Disagree; and 0=N/A.

#1 Quality of Content – The Learning Material...	Strongly Agree: 4	Agree: 3	Disagree: 2	Strongly Disagree: 1	N/A: 0	TOTAL
...is clear and concise	4					4
...provides a complete demonstration of the concept	4					4
...demonstrates a core concept grounded in the discipline	4					4
...is current and relevant	4					4
...is supported by appropriate research	4					4
...is self-contained (can be used without requiring an assignment or context)	4					4
...provides accurate information	4					4
...is flexible (can be used in several situations)	4					4
...includes an adequate amount of material	4					4
...has strong workplace relevance	4					4
...integrates the concept well	4					4
Overall, the quality of the content is very high	4					4
Total: #1 Quality of Content	48	0	0	0	0	48

#2 Potential Effectiveness as a Teaching Tool/This Learning Material...	Strongly Agree: 4	Agree: 3	Disagree: 2	Strongly Disagree: 1	N/A: 0	TOTAL
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...identifies learning objectives	4					4
...identifies prerequisite knowledge	4					4
...reinforces concepts progressively	4					4
...builds on prior concepts	4					4
...demonstrates relationships between concepts	4					4
...is easy to integrate into curriculum assignments		3				3
...is very efficient (could learn a lot in a short time)		3				3
...can be used to measure student learning outcomes	4					4
Overall, learning material is a very effective teaching tool		3				3
Total: #2 Effectiveness as Teaching Tool	24	9	0	0	0	33

#3 Ease of Use – This Learning Material...	Strongly Agree: 4	Agree: 3	Disagree: 2	Strongly Disagree: 1	N/A: 0	TOTAL
...is easy to use		3				3
...has very clear instructions		3				3
...is engaging		3				3
...is visually appealing		3				3
...is interactive	4					4
...is of high design quality	4					4
...meets accessibility requirements if able to assess					0	0
...if an app, can be used on multiple types of mobile devices and platforms					0	0
Total: #3 Ease of Use	8	12	0	0	0	20

Combined TOTAL scores (add together the totals as indicated above for #1, #2, #3)	101
Optional Information:	
Other comments to be included in the review: (If an app, respects privacy of user, meets PG rating standards, how frequently app is updated)	This is an excellent course. Very detailed. The learning outcomes listed in the Pneu&Hyd Mapping do not match those listed on the course syllabus. The course material is very detailed. I suggest providing PPT slides for all lessons--some lessons only have Word documents and notes. There is some reference to specific pieces of equipment that not all facilities will have.
Comments to author only: (Any needed improvements or recommendations should be addressed here.)	

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