

## NHTI MP101 Manufacturing Processes

Reviewer: E Ziobrowski

Category	Score	Notes
Learning Objectives	2	Some of the objectives are stated in observable, measurable form (e.g., "set up and operate"). Some are stated as "student will understand" or "use and learn basic procedures."
Course Support of and Alignment to Learning Objectives	1	Lab assignments are included and appear aligned with objectives, but not explicitly so. No lessons or lecture notes provided.
Sequencing of Course Content	2	Topic outline is sequenced by weekly lesson and appears related to course objectives.
Opportunities for Active Learning	2	The lab portion of the course provides opportunities for students to apply learning to operation of machine tools and measuring tools. Detailed lab assignments are included.
Opportunities for Formative Feedback to Students	2	Lab assignments and projects are graded.
Summative Assessment of Learning	2	A comprehensive final is given. There are three tests, one for each unit. Tests and exam are not included to prevent student access but instructions are given for accessing them for qualified individuals.

**AMPed NH Curriculum Review Rubric**  
**Developed by Hezel Associates, LLC**

Score	2	1	0	Not Enough Information
<b>Learning Objectives</b>	<p>All appropriate learning objectives for students are included</p> <p>Objectives are clear and directly related to the course and program</p>	<p>Some appropriate learning objectives for students are included</p> <p>Objectives are clear but vaguely related to the course and program</p>	<p>Learning objectives for students are not included</p> <p>Objectives are confusing or not related to the course and program</p>	<i>NEI</i>
<b>Course Support of and Alignment to Learning Objectives</b>	<p>Course activities are always aligned to the learning objectives</p> <p>Course materials are always aligned to the learning objectives</p>	<p>Course activities are sometimes aligned to the learning objectives</p> <p>Course materials are sometimes aligned to the learning objectives</p>	<p>Course activities are not aligned to the learning objectives</p> <p>Course materials are not aligned to the learning objectives</p>	<i>NEI</i>
<b>Sequencing of Course Content</b>	<p>Course content is clearly presented in a logical order and format</p> <p>Students have many opportunities to build upon their existing knowledge with new knowledge</p>	<p>Course content is generally presented in a logical order and format</p> <p>Students have some opportunities to build upon their existing knowledge with new knowledge</p>	<p>Course content is not presented in a logical order and format</p> <p>Students do not have opportunities to build upon their existing knowledge with new knowledge</p>	<i>NEI</i>
<b>Opportunities for Active Learning</b>	<p>Many opportunities exist in the course for active/hands-on learning</p> <p>Learners are always engaged in real-world problem solving</p> <p>Learners are often given opportunities to apply their new knowledge</p>	<p>Some opportunities exist in the course for active/hands-on learning</p> <p>Learners are sometimes engaged in real-world problem solving</p> <p>Learners are sometimes given opportunities to apply their new knowledge</p>	<p>No opportunities exist in the course for active/hands-on learning</p> <p>Learners are never engaged in real-world problem solving</p> <p>Learners are never given opportunities to apply their new knowledge</p>	<i>NEI</i>

Score	2	1	0	Not Enough Information
<b>Opportunities for Formative Feedback to Students</b>	<p>Students often have the opportunity to perform or practice their new skills</p> <p>Feedback is often provided to the students based on their performance</p>	<p>Students sometimes have the opportunity to perform or practice their new skills</p> <p>Feedback is sometimes provided to the students based on their performance</p>	<p>Students never have the opportunity to perform or practice their new skills</p> <p>Feedback is never provided to the students based on their performance</p>	<i>NEI</i>
<b>Summative Assessment of Learning</b>	<p>Summative assessment (e.g., final project or assignment) exists</p> <p>Assessment is aligned with all learning objectives</p> <p>Assessment accurately evaluates all of students' newly gained knowledge</p>	<p>Summative assessment (e.g., final project or assignment) exists</p> <p>Assessment is aligned with some learning objectives</p> <p>Assessment accurately evaluates some of students' newly gained knowledge</p>	<p>Summative assessment (e.g., final project or assignment) does not exist</p> <p>Assessment is not aligned with learning objectives</p> <p>Assessment does not evaluate students' newly gained knowledge</p>	<i>NEI</i>

**Hezel**  
ASSOCIATES

© 2015 by Hezel Associates, LLC.

*All rights reserved.* Except as permitted under the U.S. Copyright Act of 1976, no part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of the publisher.