

## LRCC LMAN2500 Advanced CNC Machine Processes

Reviewer: E Ziobrowski

Category	Score	Notes
Learning Objectives	1	Course competencies are described in the course description but no specific objectives are listed.
Course Support of and Alignment to Learning Objectives	1	A syllabus lists topics to be covered each week but they are very general and so it is unclear which lesson pertains to which competency.
Sequencing of Course Content	1	There is a listing of topics to be covered but it is unclear as to which topics relate to which competencies and if the sequencing is appropriate.
Opportunities for Active Learning	1	Students have several weeks where they "practice" during class so it is assumed that these are opportunities to practice what they have learned. However, no details about what is to be practiced or how it relates to objectives are included.
Opportunities for Formative Feedback to Students	1	There is no indication of graded homework or other opportunity for feedback. An explanation of testing states that "tests and quizzes are all practical exams. Students pass by demonstrating what they have learned to the instructor." There is an implication that assessments are based on machine manuals.
Summative Assessment of Learning	1	There is a final project cited in the course outline but no details are provided. An explanation of testing states that "tests and quizzes are all practical exams. Students pass by demonstrating what they have learned to the instructor." There is an implication that assessments are based on machine manuals.

**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

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