



## Course Outcomes Form Northwest Indian College

All hand-outs are posted on the faculty website at [www.nwic.edu/faculty](http://www.nwic.edu/faculty) (follow the Assessment link)

Before completing this form, please refer to the *Instructions for Completing the Course Outcomes Form*. Please submit this form electronically to Shidon Aflatooni at [saflatooni@nwic.edu](mailto:saflatooni@nwic.edu).

Last date this form was updated or edited	February 6, 2007
Course Number (e.g., ENGL 101)	MATH 190
Course Name (e.g., English Composition I)	Vocational Math
List all instructor(s) who participated in creating and approved these course outcomes (please consult with at least one other person)	Daniel Jones
List the main textbooks, readings or other resources used in this course (including title, year and publisher)	MATHEMATICS FOR THE TRADES (Seventh Edition) A Guided Approach By Robert A. Carman and Hal M. Saunders 0-13-114525-8

A. **NWIC outcomes:** From the *List of NWIC Outcomes*, select the most important outcomes you assess in this course (at least one NWIC outcome must be chosen).

<b>NWIC outcome # (e.g.,  “Written communication: 2a.  write standard English”)</b>	<b>Instructional Activities: How  will students master this  outcome? (e.g., solving  problems, group activity)</b>	<b>Assessment/Evaluation Strategies:  How will you measure this  outcome? (e.g., student  presentations, essays)</b>
Quantitative skills: 5a. propose solutions to and solve real-world problems by applying the correct numerical data.	Solving group problems on homework and quizzes, doing several practice problems	Through grading of homework, quizzes, and tests  Also through evaluating verbal responses to questions
Quantitative skills: 5b. use analytical and critical thinking skills to draw and interpret conclusions	Solving group problems on homework and quizzes, doing several practice problems	Through grading of homework, quizzes, and tests  Also through evaluating verbal responses to questions

**B. Course outcomes:** In order of priority, list the most important other learning outcomes for this course that you assess (a maximum of 8).

<b>Other course outcomes:</b> <b>Complete the sentence –</b> <b>As a result of this course,</b> <b>students will be able to...</b>	<b>Instructional Activities: How</b> <b>will students master this</b> <b>outcome? (e.g., solving</b> <b>problems, group activity)</b>	<b>Assessment / Evaluation Strategies:</b> <b>How will you measure this</b> <b>outcome? (e.g., student</b> <b>presentations, essays)</b>
Apply arithmetic to trades using whole numbers	By practice on homework, review of homework, group practice and review of tests, quizzes, and presentations	Attendance, participation, individual quizzes, tests, and presentations
Apply arithmetic to trades using fractions	By practice on homework, review of homework, group practice and review of tests, quizzes, and presentations	Attendance, participation, individual quizzes, tests, and presentations
Apply arithmetic to vocations using decimals	By practice on homework, review of homework, group practice and review of tests, quizzes, and presentations	Attendance, participation, individual quizzes, tests, and presentations
Apply the concepts of ratios, proportion, and percent to vocations	By practice on homework, review of homework, group practice and review of tests, quizzes, and presentations	Attendance, participation, individual quizzes, tests, and presentations
Use measurement concepts in trade applications	By practice on homework, review of homework, group practice and review of tests, quizzes, and presentations	Attendance, participation, individual quizzes, tests, and presentations
Use prealgebra concepts including signed numbers, exponents and square roots in vocational context	By practice on homework, review of homework, group practice and review of tests, quizzes, and presentations	Attendance, participation, individual quizzes, tests, and presentations
Use basic algebra in vocational context	By practice on homework, review of homework, group practice and review of tests, quizzes, and presentations	Attendance, participation, individual quizzes, tests, and presentations
Use practical and plane geometry in vocational applications	By practice on homework, review of homework, group practice and review of tests, quizzes, and presentations	Attendance, participation, individual quizzes, tests, and presentations

**C. Please list the NWIC outcomes and course outcomes from above on your syllabus.**

**D. Please assess the NWIC outcomes and course outcomes, which are listed above, in your classes.**