

LINN BENTON COMMUNITY COLLEGE
CURRICULUM REVIEW: JANUARY 22, 2016

Course Name

OA 104 “Business Math”

Percentage of Materials that are Open Educational Resource

Approximately 100% of course materials have been created by Linn Benton or Linn Benton has obtained a creative commons license so the material is considered OER. Participants are required to purchase some of the competency assessments.

Course Outcomes and Assessments Used

OA 104 has two broad learning outcomes:

1. Apply basic math skills to solve business math problems.
2. Calculate discounts, markup/markdown, payroll, and simple interest correctly.

The OA 104 course is divided into credit units. The first credit unit covers the application of basic math functions such as addition, subtraction, fraction and decimals, and includes six modules, with each module assessing competency through testing that requires the student to successfully demonstrate knowledge. In addition, modules have “self-check” points, which are quizzes that contain questions tied to textbook lessons and readings.

The first module covers addition, subtraction, multiplication and division. The second module focuses on fractions. The third module focuses on the use of decimals. The fourth module moves more into accounting principles with an emphasis on checking and bank statements. The fifth module focuses on equations, and the sixth module covers conversion of fractions and decimals. All modules assess the student’s knowledge of concepts through exercises that promote the application of relevant math concepts. A final assessment at the end of the six modules comprehensively evaluates the student’s competency and understanding of all concepts through a written quiz.

The second credit unit contains six modules, which concentrate on business math principles. The first module covers trade discounts, cash discounts and credit terms. The second module focuses on selling points, markups and markdowns. The third module covers payroll principles. The fourth module covers simple interest. The fifth module covers promissory notes and interest discounts prior to maturity. The sixth module focuses on present and future value of money and compound interest. All modules assess the student’s knowledge of concepts through exercises that promote the application of relevant business math concepts. Modules have “self-check” points, which are quizzes that contain questions tied to textbook readings. A final assessment at the end of the six modules comprehensively evaluates the student’s competency and understanding of all concepts through administration of a quiz.

All modules have assessments that require the student to demonstrate proficiency of the concepts taught in the modules. Proficiency is demonstrated through application of knowledge through the administration of quizzes that include concepts taught in lessons and readings. A final assessment at the end of the modules comprehensively evaluates the student’s competency and understanding of all concepts through administration of a quiz.

Teaching Methods

OA 104 is taught online. Teaching methods include the use of videos, articles, an online text book and practice exercises that students can conduct on their own time.

Industry Standards and the Course

The OA 104 course is not designed to embed particular industry standards; however, relevant concepts related to basic math and business math are integrated into the curriculum.