

CLASS NUMBER &amp; NAME:

TOTAL HOURS/UNITS:

24 HOURS/2 UNITS

PREREQUISITES:

NONE

TEXT AND MATERIALS:

*Business Math, Empire College* (Pearson custom business skills with MyMathLab code). (ISBN 9781269678162) Students will need an account or access code for PearsonMyLabAndMastering.com to use My Math Lab.

Each student should have a supply of 8 ½ x 11-inch, straight edged paper, a pencil, eraser and calculator.

CLASS DESCRIPTION:

Mathematics as used in business situations. This course will cover applications of percents, invoices, discounts, simple interest, and mortgage loans. The use of the calculator as a tool for solving problems more easily is emphasized.

COURSE OBJECTIVES:

To develop skills in the use of percents in business and in the mathematics of purchasing.

To introduce the theory and applications of simple and compound interest in business.

To develop the student's skills using an electronic calculator to quickly solve mathematical business problems.

To practice the critical thinking skills necessary to make business decisions based on mathematical calculations.

CLASS FORMAT  
OVERVIEW:

This class will be taught in lecture format. The teacher will present and explain problems from the text. Students will participate in asking and answering questions.

REQUIREMENTS:

Time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the material and ¼ hour outside of class for each hour of structured lab time.

METHODS OF  
INSTRUCTION:

The teacher will present and explain problems from the text and a variety of handouts. Students will participate in asking and answering questions. Homework will be given.

TESTING AND LATE  
TESTING:

Tests will be open book, open note, and open calculator; therefore, no re-tests will be given.

Tests must be taken on test days. Advance tests or makeup tests may be given upon request, reasonable notice and good cause.

Otherwise, late testing (and late assignments) will be assessed a 10% late penalty.

**TESTING OUT:** Testing out may be done at the beginning of the course. Please see the instructor.

**ATTENDANCE:** Excessive absences or tardiness may result in a lower grade.

**GRADING POLICIES:** The following scale will be used:

90 – 100%	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

**FINAL GRADE:** Breakdown of class grade is as follows:

Tests	– 70%
Homework	– 30%

**TOPICS COVERED:** Topics covered include the following: Using percentages, trade discounts, sales terms and partial payments, simple, ordinary and exact interest, promissory notes, mortgage payments, amortization schedules, and qualifying ratios.

**LEARNING OBJECTIVES:** Upon completing this course, the student will be able to:

1. Analyze business problems using percents.
2. Apply percentage calculations in the computation of dollar amounts of discounts and interest.
3. Analyze algebraic procedures in the solution of business problems.
4. Develop skills in finding computational factors in tables.

## BMN142: Business Math — Weekly Schedule

Week				
<b>1</b>	<p style="text-align: center;"><b>Percents</b> Percent Equivalents</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Percents</b> Solving Percentage Problems</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Percents</b> Increases and Decreases</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Percents</b> Practice</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>
<b>2</b>	<p style="text-align: center;"><b>Percents</b> Review</p> <p style="text-align: center;"><b>HW:1 hour</b> Study for test</p>	<p style="text-align: center;"><b>Percentages</b> Test</p> <p style="text-align: center;"><b>HW:1 hour</b> Read Trade and Cash Discount Chapter</p>	<p style="text-align: center;"><b>Trade and Cash</b> <b>Discounts</b> Trade Discounts</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Trade and Cash</b> <b>Discounts</b> Multiple Trade Discounts</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>
<b>3</b>	<p style="text-align: center;"><b>Trade and Cash</b> <b>Discounts</b> Sales Terms and Partial Payments</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Trade and Cash</b> <b>Discounts</b> Review</p> <p style="text-align: center;"><b>HW: 1 hour</b> Review for test</p>	<p style="text-align: center;"><b>Trade and Cash</b> <b>Discounts</b> Test</p> <p style="text-align: center;"><b>HW: 1 hour</b> Reading Simple Interest and Simple Discount Chapter</p>	<p style="text-align: center;"><b>Simple Interest and</b> <b>Simple Discount</b> Simple Interest</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>
<b>4</b>	<p style="text-align: center;"><b>Simple Interest and</b> <b>Simple Discount</b> Ordinary and Exact Interest</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Simple Interest and</b> <b>Simple Discount</b> Promissory Notes</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Simple Interest and</b> <b>Simple Discount</b> Review</p> <p style="text-align: center;"><b>HW:1 hour</b> Study for test</p>	<p style="text-align: center;"><b>Simple Interest and</b> <b>Simple Discount</b> Test</p> <p style="text-align: center;"><b>HW:1 hour</b> Read Mortgage Payments chapter</p>
<b>5</b>	<p style="text-align: center;"><b>Mortgages</b> Mortgage Payments</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Mortgages</b> Amortization Schedules</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Mortgages</b> Qualifying Ratios</p> <p style="text-align: center;"><b>HW:1 hour</b> MyMath Lab Assignment</p>	<p style="text-align: center;"><b>Mortgages</b> Review</p> <p style="text-align: center;"><b>HW:1 hour</b> Review for test</p>
<b>6</b>	<p style="text-align: center;"><b>Mortgages</b> Test</p> <p style="text-align: center;"><b>HW:2 hours</b> Review for final</p>	<p style="text-align: center;"><b>Final Review</b></p> <p style="text-align: center;"><b>HW:2 hours</b> Review for final</p>	<p><b>Final Exam</b></p>	<p style="text-align: center;"><b>Course Evaluations</b> <b>Finalizing Grades</b></p>

**HW: indicates the amount of homework for each assignment.**

This schedule is subject to change at the discretion of the instructor to meet the learning objectives of the course.