

CLASS NUMBER & NAME:	BM143—FINANCIAL MATH
TOTAL HOURS/UNITS:	25 HOURS/2.5 UNITS
PREREQUISITES:	BM142—Business Math
TEXT AND MATERIALS:	<p><i>Business Math, Empire College</i> (Pearson custom business skills). Students will need an account or access code for PearsonMyLabAndMastering.com to use My Math Lab.</p> <p>Each student should have a supply of 8 ½ x 11-inch, straight edged paper, graph paper, a pencil, eraser and calculator.</p>
CLASS DESCRIPTION:	Mathematics as used in business situations. This course will cover compound interest and present value; annuities and sinking funds; stocks, bonds and mutual funds; and data interpretation and presentation.
COURSE OBJECTIVES:	To develop skills in the application of financial analysis as it relates to the time value of money and business investments.
CLASS FORMAT OVERVIEW:	This class will be taught in lecture and practice format. The teacher will present and explain concepts from the text. Students may participate by asking and answering questions. Homework assigned will be due at the beginning of the next class. NO LATE HOMEWORK WILL BE ACCEPTED FOR CREDIT.
METHODS OF INSTRUCTION:	This class is a lecture and discussion class. It is important for students to attend every day.
TESTING	Tests must be taken on test days. Tests will be open book, open note, and open calculator; therefore, no re-tests will be given. Makeup tests may be given upon a showing of good cause and in the sole discretion of the instructor.
GRADING POLICIES	The following scale will be used: 90 – 100% A 80 – 89 B 70 – 79 C 60 – 69 D 0 – 59 F

GRADING:

Breakdown of class grade is as follows:

Test and final project	70%
Homework	30%

CHAPTERS COVERED:

Compound Interest
Annuities
Insurance
Investments
Business Statistics

ANTICIPATED LEARNING
OUTCOMES:

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

1. Calculate and compute present value and future value using table factors and manual calculations.
2. Calculate the present value of a lump sum invested in an ordinary annuity.
3. Calculate the amount of each payment into a sinking fund and the future value of an annuity.
4. Have an understanding of Life, Property, and Motor Vehicle Insurance.
5. Compute the costs and values of stock, bond and mutual fund transactions.
6. Interpret business statistics and create graphs and charts that relate to financial transactions and data.
7. Demonstrated attainment of these learning outcomes by earning a passing score on the tests and achieving the minimum passing grade of D for the class.

BM143: Financial Math – Day 5 Week Schedule

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	<p>Compound Interest, Future Value & Present Value Assignment: MyMathLab & choose stocks</p>	<p>Compound Interest, Future Value & Present Value Assignment: MyMathLab</p>	<p>Compound Interest, Future Value & Present Value Assignment: MyMathLab</p>	<p>Compound Interest, Future Value & Present Value Review Assignment: MyMathLab</p>	<p>Compound Interest, Future Value & Present Value Open Book Test</p>
2	<p>Annuities and Sinking Funds Assignment: MyMathLab & check stock prices</p>	<p>Annuities and Sinking Funds Assignment: MyMathLab</p>	<p>Annuities and Sinking Funds Assignment: MyMathLab</p>	<p>Annuities and Sinking Funds Review Assignment: MyMathLab</p>	<p>Annuities and Sinking Funds Open Book Test</p>
3	<p>Insurance Assignment: MyMathLab & check stock prices</p>	<p>Insurance Assignment: MyMathLab</p>	<p>Insurance Assignment: MyMathLab</p>	<p>Insurance Review Assignment: MyMathLab</p>	<p>Insurance Open Book Test</p>
4	<p>Investments Assignment: MyMathLab & check stock prices</p>	<p>Investments Assignment: MyMathLab</p>	<p>Investments Assignment: MyMathLab</p>	<p>Investments Review Assignment: MyMathLab</p>	<p>Investments Open Book Test</p>
5	<p>Business Statistics Assignment: MyMathLab & check stock prices</p>	<p>Business Statistics Assignment: MyMathLab</p>	<p>Business Statistics Open Book Test</p>	<p>Stock Project due Make-up testing</p>	<p>Finalizing Grades</p>

BM143: Financial Math—Evening Schedule

6 Week	Mon. or Tue. (for 6 week schedule)	Wed. or Thu. (for 6 week schedule)	3 Week
	6:00 - 8:00 (for 3 week schedule)	8:00 - 10:00 (for 3 week schedule)	
1	<p>Compound Interest, Future Value, & Present Value Section 1</p> <p>Homework: MyMathLab & choose stocks</p>	<p>Compound Interest, Future Value, & Present Value Section 2</p> <p>Homework: MyMathLab</p>	Week 1 Mon. or Tue.
2	<p>Compound Interest, Future Value, & Present Value Test</p> <p>Annuities and Sinking Funds Section 1</p> <p>Homework: MyMathLab & check on stocks</p>	<p>Annuities and Sinking Funds Section 2</p> <p>Homework: MyMathLab</p>	Week 1 Wed. or Thu.
3	<p>Annuities and Sinking Funds Test</p> <p>Insurance Section 1</p> <p>Homework: MyMathLab & check on stocks</p>	<p>Insurance Sections 2 and 3</p> <p>Homework: MyMathLab</p>	Week 2 Mon. or Tue.
4	<p>Insurance Test</p> <p>Investments Section 1</p> <p>Homework: MyMathLab & check on stocks</p>	<p>Investments Section 2</p> <p>Homework: MyMathLab</p>	Week 2 Wed. or Thu.
5	<p>Investments Review Investments Work on Stock Project</p> <p>Homework: MyMathLab</p>	<p>Investments Test</p> <p>Business Statistics Section 1</p> <p>Homework: MyMathLab</p>	Week 3 Mon. or Tue.
6	<p>Business Statistics Graphs and Charts Section 2</p> <p>Homework: MyMathLab & finish project</p>	<p>Business Statistics Test</p> <p>Stock Project Due</p>	Week 3 Wed. or Thu.

