

CLASS NUMBER & NAME:	<b>BMN143—FINANCIAL MATH</b>
TOTAL HOURS/UNITS:	24 HOURS/2 UNITS
PREREQUISITES:	BMN142—Business Math
TEXT AND MATERIALS:	<p><i>Business Math, Empire College</i> (Pearson custom business skills with MyMathLab access code). (ISBN 9781269678162) 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. <b>NO LATE HOMEWORK WILL BE ACCEPTED FOR CREDIT.</b>
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:	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.

**LATE TESTING:** The score for any late assignment will be reduced by 10 percent. All work must be turned in at the end of each chapter, no exceptions.

**ATTENDANCE:** A minimum of 80 percent attendance must be maintained to successfully complete the class.

**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.

## BMN143: Financial Math – Weekly Schedule

Week				
1	<b>Compound Interest, Future Value &amp; Present Value</b>  <b>HW: 1 hour</b> Assignment: MyMathLab & choose stocks	<b>Compound Interest, Future Value &amp; Present Value</b>  <b>HW: 1 hour</b> Assignment: MyMathLab	<b>Compound Interest, Future Value &amp; Present Value</b>  <b>HW: 1 hour</b> Assignment: MyMathLab	<b>Compound Interest, Future Value &amp; Present Value</b>  <b>HW: 1 hour</b> Review Assignment: MyMathLab
2	<b>Compound Interest, Future Value &amp; Present Value</b> Open Book Test  <b>HW: 1 hour</b> Read Annuities and Sinking Funds Chapter & check stock prices	<b>Annuities and Sinking Funds</b>  <b>HW: 1 hour</b> Assignment: MyMathLab	<b>Annuities and Sinking Funds</b>  <b>HW: 1 hour</b> Assignment: MyMathLab	<b>Annuities and Sinking Funds</b>  <b>HW: 1 hour</b> Assignment: MyMathLab
3	<b>Annuities and Sinking Funds</b> Review  <b>HW: 1 hour</b> Assignment: MyMathLab & check stock prices	<b>Annuities and Sinking Funds</b>  Open Book Test  <b>HW: 1 hour</b> Read Insurance chapter	<b>Insurance</b> <b>HW: 1 hour</b> Assignment:  <b>HW: 1 hour</b> MyMathLab	<b>Insurance</b>  <b>HW: 1 hour</b> Assignment: MyMathLab
4	<b>Insurance</b>  <b>HW: 1 hour</b> Assignment: MyMathLab & check stock prices	<b>Insurance</b> Review  <b>HW: 1 hour</b> Assignment: MyMathLab	<b>Insurance</b> Open Book Test  <b>HW: 1 hour</b> Read Investments chapter	<b>Investments</b> Assignment:  <b>HW: 1 hour</b> MyMathLab
5	<b>Investments</b>  <b>HW: 1 hour</b> Assignment: MyMathLab & check stock prices	<b>Investments</b>  <b>HW: 1 hour</b> Assignment: MyMathLab	<b>Investments</b> Review  <b>HW: 1 hour</b> Assignment: MyMathLab	<b>Investments</b>  <b>HW: 1 hour</b> Open Book Test
6	<b>Business Statistics</b>  <b>HW: 2 hours</b> Assignment: MyMathLab, check stock prices & Stock Project	<b>Business Statistics</b>  <b>HW: 2 hours</b> Assignment: MyMathLab Study for test	<b>Business Statistics</b>  Open Book Test	<b>Stock Project due</b>  Make-up testing  <b>Finalizing Grades</b>

**HW: designates the amount of homework per assignment.**

**The instructor reserves the right to adjust this schedule as necessary to meet the course objectives.**

