1. **COURSE ID:** ACTG 107   **TITLE:** Time Value of Money Survey
   Units: 1.0 units **Hours/Semester:** 16.0-18.0 Lecture hours; and 32.0-36.0 Homework hours
   Method of Grading: Pass/No Pass Only

2. **COURSE DESIGNATION:**
   Degree Credit
   Transfer credit: CSU

3. **COURSE DESCRIPTIONS:**
   Catalog Description:
   Survey of the time value of money (TVM) concept. Topics include calculation of present values and future
   values for single amounts and annuities. The TVM concept will be applied to problems commonly found in
   accounting such as notes, bonds, and leases. This course provides foundational skills that will help students
   succeed in all other accounting courses. Students may use this course as preparation for future accounting
   classes or as a review. The Financial Accounting and Reporting (FAR) section of the CPA exam includes
   questions based on the time value of money concept, so this course will help students prepare for the CPA
   exam.

4. **STUDENT LEARNING OUTCOME(S) (SLO'S):**
   Upon successful completion of this course, a student will meet the following outcomes:
   1. Discuss the terminology, concepts, principles, and ethics used in time value of money calculations.
   2. Using the proper formats, perform the calculations and explain the steps to solve time value of money
      problems.

5. **SPECIFIC INSTRUCTIONAL OBJECTIVES:**
   Upon successful completion of this course, a student will be able to:
   1. Define commonly used terminology.
   2. Given a single amount calculate a present value.
   3. Given a single amount calculate a future value.
   4. Given an annuity calculate a present value.
   5. Given an annuity calculate a future value.
   6. Use time value of money calculations to solve problems commonly found in accounting such as notes,
      bonds, and leases.

6. **COURSE CONTENT:**
   Lecture Content:
   1. Identify accounting topics where the time value of money is relevant.
   2. Identify variables required to solve time value of money problems.
   3. Explain the difference between simple and compound interest.
   4. Compute the future value of a single amount.
   5. Compute the present value of a single amount.
   6. Solve for either the interest rate or the number of compounding periods when present value and future
      value of a single amount are known.
   7. Explain the difference between an ordinary annuity and an annuity due.
   8. Compute the future value of an ordinary annuity and an annuity due.
   9. Compute the present value of an ordinary annuity, an annuity due, and a deferred annuity.
   10. Solve for unknown values in annuity situations involving present value.
   11. Describe how time value of money calculations are used to value notes, bonds, leases, and expected cash
       flows.

7. **REPRESENTATIVE METHODS OF INSTRUCTION:**
   Typical methods of instruction may include:
   A. Lecture
   B. Other (Specify): The course will use Canvas, an online teaching platform sponsored by the district.
      Through Canvas and related resources the course may use online presentations, bulletin boards, resource
      links, chat rooms, forums, office hours, and email. Announcements and weekly postings are typically done

at the start of the week and more often when necessary.

8. **REPRESENTATIVE ASSIGNMENTS**
Representative assignments in this course may include, but are not limited to the following:
Writing Assignments:
   Students will complete a series of essay assignments on the following topics:
   - Define the terminology commonly used in time value of money calculations.
   - Describe the steps required to solve a time value of money problem.
   - Explain when time value of money calculations are required.
   - Compare and contrast simple interest and compound interest.
   - Explain how to solve present value problems.
   - Explain how to solve future value problems.
   - Compare and contrast an ordinary annuity and an annuity due.

Reading Assignments:
   A. Read textbook.
   B. Read online resources provided by instructor on Canvas.

9. **REPRESENTATIVE METHODS OF EVALUATION**
Representative methods of evaluation may include:
   A. Exams/Tests
   B. Homework
   C. Quizzes

10. **REPRESENTATIVE TEXT(S):**
Possible textbooks include:
   A. Titman, S., Keown, A.. *Financial Management: Principles and Applications*, 13 ed. Pearson, 2018
Possible software includes:
   A. MyAccountingLab. Pearson, 13 ed.
      MyAccountingLab is a learning management system provided by the publisher. All homework and testing is done on this site. The site also has several learning support tools to assist students in completing their work.

Origination Date: March 2022
Curriculum Committee Approval Date: March 2022
Effective Term: Fall 2022
Course Originator: Rosemary Nurre