Fall 2002

EVENING COURSE

Instructor: KEN COLLINS

Prerequisite:

MATH 152 must precede or be taken concurrently.

Required Text:

The Theory of Interest (Second Edition) by S.G. Kellison, pub: Richard D. Irwin Inc.

References:

- Mathematics of Compound Interest by M.V. Butcher & C.J. Nesbitt, pub: Ulrich's
- Theory of Interest and Life Contingencies with Pension Applications by M.M. Parmenter, pub: Actex
- An Introduction to the Mathematics of Finance by J.J. McCutcheon& W.F. Scott, pub: Institute and Faculty of Actuaries

Calendar Description:

Measurement of interest, present value. Equations of value. Basic annuities: immediate, due, perpetuity. General annuities. Yield rates: cash flow analysis, reinvestment rate, portfolio and investment year me

Amortization Schedules and Sinking Funds:

Outstanding loan balance, varying series of payments, continuous payments.

- Bonds and Other Securities:
 - Types of securities, price of a bond, premium and discount, yield rates, callable bonds, serial bonds.
- Applications:

Real estate mortgage, depreciation methods.

Grading Scheme:

Homework 10% 2 Midterms 40% Final 50%

Students should be aware that they have certain rights to confidentiality concerning the return of course papers and the posting of marks. Please pay careful attention to the options discussed in class at the beginning of the semester.