

Master Syllabus

MAT 1120 - Business Mathematics

Division: Science, Mathematics and Engineering

Department: Mathematics

Credit Hour Total: 3.0

Lecture Hrs: 3.0

Prerequisite(s): DEV 0035OR DEV 0054

Other Prerequisite(s): OR Other satisfactory score on Sinclair Community College English placement test

Date Revised: May 2016

Course Description:

Mathematics of finance, mathematics of trade, payroll, taxes, insurance, elementary statistics. Traditional testing (proctored or in Testing Center) is used in all online sections.

General Education Outcomes:

- ▣ Critical Thinking/Problem Solving Competency

Course Outcomes:

Fractions, decimals and percents

Perform arithmetic calculations with fractions, decimals and percents.

Assessment Method: Locally developed exams

Performance Criteria:

Passing grade of 70% or better on exams

Interest and annuities

Determine simple and compound interest and annuity and loan payments.

Assessment Method: Locally developed exams

Performance Criteria:

Passing grade of 70% or better on exams

Insurance premiums and taxes

Calculate insurance premiums and taxes.

Assessment Method: Locally developed exams

Performance Criteria:

Passing grade of 70% or better on exams

Elementary statistical techniques

Analyze and interpret a given data set using elementary statistical techniques.

Assessment Method: Locally developed exams

Performance Criteria:

Passing grade of 70% or better on exams

Outline:

Review of arithmetic operations, percentsBank servicesTaxes, insurance and payrollTrade and retail pricing, purchasing and inventorySimple and compound interestAnnuities and loansElementary statistics