

## 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

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### **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