



**Course Syllabus  
Quantitative Business  
Applications: BUS 115**

Faculty Name:	
Course Information:	QUANTITATIVE BUSINESS APPLICATIONS: BUS 115
Course Section, Term and Year:	
Course Meeting Times & Location:	

**Contact:**

Phone Number:	
Office Location:	
Email address:	
Enter days/time you are available to meet with students.	

**Netiquette**

Respect the diversity of opinions among the instructor and classmates and engage with them in a courteous, respectful, and professional manner. All posts and classroom communication must be conducted in accordance with the student code of conduct. Think before you push the Send button. Did you say just what you meant? How will the person on the other end interpret the words?

**Communication:**

**Faculty Communication with Students:**

Discuss how faculty will contact students.

**Student Communication with Faculty:**

Discuss how students will contact faculty when they have questions or concerns.

## Course Description:

### **BUS 115 Quantitative Business Applications**

**3-0-3**

Quantitative Business Applications is designed to equip students with the fundamental mathematical analytical problems solving skills and basic quantitative accounting concepts needed for success in college-level business and accounting courses. Students taking Quantitative Business Applications will learn to use financial calculators and spreadsheets to analyze and solve challenging everyday problems faced by business managers and owners, including but not limited to: amortization schedules, computation of simple and compound interest, inventory cost-flow assumptions, financial and tax based-depreciation reporting, time value of money, and payroll compliance. Hours of class per week: 3. Required Supplies: Texas Instruments Business Analyst II or any financial calculator with Time Value of Money functions keys. Prerequisites: CIS 105 or concurrent registration. *Prerequisite: CIS 105 or concurrent registration.*

## Course Student Learning Outcomes

1. Using financial calculators and/or spreadsheets to prepare amortization schedules, students will be able to calculate payments for home mortgages and personal consumer loans and will be able to analyze how the effects of simple and compound interest impact total borrowing costs.
2. Using financial calculators and/or spreadsheets, students will be able to calculate GAAP and/or MACRS-based depreciation including Straight Line, Double-declining balance and/or additional depreciation methods.
3. Using financial calculators and/or spreadsheets, students will learn how to analyze, interpret and calculate Trade Discounts, Invoices, Cash Discounts, Markup and Markdown pricing decisions.
4. Using financial calculators and/or spreadsheets, students will be able to prepare bank statement reconciliations.
5. Using financial calculators and/or spreadsheets, students will perform financial statement, inventory costing and ratio analysis.
6. Using financial calculators and/or spreadsheets, students will be able to calculate payroll computations and manage the payroll compliance function.
7. Using financial calculators and/or spreadsheets, students will be able to perform time value of money computations, including net present value and/or internal rate of return, future value, and ordinary and annuity due.

## General Education Learning Outcomes:

N/A

## Program Learning Outcomes: - **(Outcomes Relevant to Course are Shaded)**

1. Students will be able to apply effective oral and written communications, quantitative reasoning, and technology competencies to real-world business scenarios.
2. Students will be able to demonstrate critical thinking, teamwork, collaboration, problem-solving, and decision-making skills that optimize business outcomes.
3. Students will be able to identify how diversity and ethics impact the evolving global business environment.
4. Students will be able to demonstrate core competencies in Accounting, Marketing, Economics, Management, Business Law, Information Systems, and Business Applications. **(A.A.S./A.S. Business Administration)**
5. Students will be able to demonstrate core competencies in Accounting, Taxation, Computerized Accounting Applications and Business Law. **(A.A.S. Accounting)**

## Course Resources:

Textbook:	Enter title, edition, author, ISBN for required text.
Materials:	Enter all additional required materials and tools needed to complete course here.
Access:	List access codes needed for websites or other software. .

### *Course Policies:*

Click here to describe how students will participate in your class. Include policies regarding missed exams, makeup exams, extra credit assignments, late assignments, missed assignments, etc.

### Course Delivery:

#### *Course Content:*

Lecture Format:

Student Expectations specific to this course:

## Course Outline and Schedule

### Grading Method:

Click here to enter a clear explanation of how students will be evaluated, including a description of course assessments and a statement of the assessment process and measurements. Include weight/percentages for quizzes, exams, papers, projects, homework, attendance, participation, etc.

### Grading Scale:

Letter	Grade Range
<b>A</b>	Enter range for A.
<b>A-</b>	Enter range for A-.
<b>B+</b>	Enter range for B+
<b>B</b>	Enter range for B.
<b>B-</b>	Enter range for B-
<b>C+</b>	Enter range for C+.
<b>C</b>	Enter range for C.
<b>D</b>	Enter range for D.
<b>F</b>	Enter range for F.

### Earn an FMCC Micro-credential Badge:

Check this link to see if this course meets a requirement for an FM Micro-credential Badge:  
<https://www.credly.com/organizations/fulton-montgomery-community-college/badges>