



Effective Semester: Spring 2024

COURSE INFORMATION							
Course Title: Mathematics of Finance					Course Number:	BUSI 110	Credits: 3
Total We	eeks: 14 (Fall, Spring) Total Hours: 39 12 (Summer)		ırs: 39	Course Level:		☑ First Year☐ New☐ Replacement	☐ Second Year ☐ Revised Course : Course
Departm	ent: Business	Departme	ent Head: Chuck Ko	onrad	Former Course Co	ode(s) and Number(s) (if applicable): N/A
Pre-requirecomme	isites (If there are no pre ended.	requisites,	type NONE): Pre-	·Calculus or	Foundations of Ma	th or an approved s	ubstitute are strongly
Co-requis	site Statement (List if app	olicable or	type NONE): NON	IE			
Precluded Courses: N/A							
LEARNIN Upon suc	dising, simple interest, and term loans, credit card de IG OUTCOMES cessful completion of the Perform simple algebraic Solve equations algebraic Analyze business problem Solve applied problems in Certain general annuities.	e course, strong operations ally and grans involving avolving sinvolving sinv	udents will be able aphically. trade discounts, c	n annuities, e to: cash discour	mortgages, bonds	and investment dec	•
Instructional (Contact) Hours:							
Γ	Туре		Duration]			
ľ	Lecture		39	[
ŀ	Seminars/Tutorials			İ			
ŀ	Laboratory			1			
}	Field Experience			Í			
ļ	Other (specify):						
		Total	39				
Grading 9	System: Letter Grades	⊠ Perce	entage 🗆 Pass/	/Fail □	Satisfactory/Un	satisfactory \square	Other \square
Specify passing grade: 50%							

Evaluation Activities and Weighting (total must equal 100%)

COURSE OUTLINE



Assignments:	15%	Attendance:	5%	Participation:	5%	Project:	%
Specify number of, variety, and nature assignments: Online Assignment MyCC	•			Specify nature of participation: Q&A and Group W Class	ork in	Specify nature	e of project:
iviyee							
Quizzes/Test:	15%	Midterm Exams: 30%		Final Exam: 30%		Other:	%

TEXT(S) AND RESOURCE MATERIALS

Provide a full reference for each text and/or resource material and include whether required/not required.

Hummelbrunner, S. A., Halliday, K., Hassanlou A.R., Coombs, K.S. (2021). Contemporary Business Mathematics with Canadian Applications (12th edition). Toronto, Ontario, Pearson Canada

MyMathLab: http://www.pearsoned.ca/hummelbrunner

COURSE TOPICS

List topics and sequence covered.

Week	Topic
Week 1	Introduction / Mathematics Fundamentals
Week 2	Mathematics Fundamentals
Week 3	Break-Even and CVP Analysis
Week 4	Mathematics of Merchandising: Trade and Cash Discount - Markup and Markdown
Week 5	Simple Interest and Applications
Week 6	Compound Interest and Applications
Week 7	Ordinary Simply Annuities and Applications and MIDTERM EXAM
Week 8	Ordinary General Annuities and Applications – Annuities Due, Deferred Annuities, and Perpetuities – Case Study
Week 9	Ordinary General Annuities and Applications – Annuities Due, Deferred Annuities, and Perpetuities – Case Study
Week 10	Loan Amortization
Week 11	Bond Valuation
Week 12	Investment Decision
Week 13	Review of the Course Material
Week 14	FINAL EXAM

COURSE OUTLINE



NOTES

1. Students are required to follow all College policies. Policies are available on the website at: Coquitlam College Policies

2. To find out how this course transfers, visit the BC Transfer Guide at: bctransferguide.ca

Last Reviewed: January 2024 Last Revised: January 2024