Yukon University

COURSE OUTLINE

MATH 141
MATHEMATICS FOR BUSINESS

3 CREDITS
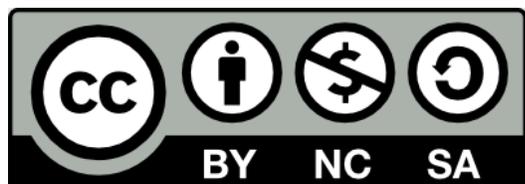
PREPARED BY: Annie-Claude Letendre, Instructor
DATE: June 8, 2020

APPROVED BY: Ernie Prokopchuk, Dean
DATE: August 21, 2020

APPROVED BY SENATE: Click or tap to enter a date
RENEWED BY SENATE: Click or tap to enter a date

MATHEMATICS FOR BUSINESS

INSTRUCTOR: Annie-Claude Letendre   **OFFICE HOURS: tbd**
OFFICE LOCATION: A2208   **CLASSROOM: online**
E-MAIL: aletendre@yukonu.ca   **TIME: M/W 4:30-5:55 PM**
TELEPHONE: 867 456-6984   **DATES: Sept. 2nd – Dec. 7th**

COURSE DESCRIPTION

This course will provide foundational material that is used throughout the Bachelor of Business Administration program. Students will learn and practice basic operations in arithmetic and apply financial math formulas to real world northern examples. Various strategies for solving business math problems will be explored such as mathematical skills, use of calculators, and estimation skills.

PREREQUISITES

Math 050 (YC) or Pre-Calculus 11

RELATED COURSE REQUIREMENTS

Computer required

EQUIVALENCY OR TRANSFERABILITY

Transferability will be determined by the receiving institution.

LEARNING OUTCOMES

Upon successful completion of the course, students will be able to:

•Demonstrate proficiency in calculating basic operations in arithmetic involving fractions, decimals, and/or percentages.
•Manipulate formulas for different variables using basic algebra skills.
•Apply appropriate financial formulas to problems involving the time value of money.
•Apply simple interest and compound interest formulas to real world examples.
•Solve basic finance word problems using calculators.
•Apply appropriate strategies and formulas to solve basic problems in counting methods.

COURSE FORMAT

This course will be a total of 45 hours, including a final exam. Classes will include lectures and some online learning on Moodle.

ASSESSMENTS:

Attendance & Participation
Students are expected to attend regularly, complete all assignments, come to class ready and prepared to learn, and participate actively in class activities.
Assignments
There will be 6 assignments based on material learned. Credit will be given for the best 5 out of 6 assignments.
Tests
There will be a set of 6 quizzes (credit given for best 5 out of 6 quizzes), midterm examination and final examination.
Project
There will be one case studies to allow students to study more in-depth a particular area in business mathematics.

A minimum of 50% is required to pass this course.

Late assignments will lose 10% per day penalty for each of the first three days. The due date is considered Day 1. No assignment will be marked after the three-day penalty period.

EVALUATION:

Assignments (5 out of 6)	30%
Midterm Exam	20%
Quizzes (5 out of 6)	15%
Project	15%
Final Exam	20%
Total	100%

REQUIRED TEXTBOOKS AND MATERIAL

Olivier, Jean-Paul. (2017). BUSINESS MATH: A Step-By-Step Handbook. https://lila1.lyryx.com/textbooks/OLIVIER_1/marketing/Olivier-BusinessMath-2018B.pdf

You will also require a Texas Instruments BAII+ Calculator

ACADEMIC AND STUDENT CONDUCT

Information on academic standing and student rights and responsibilities can be found in the current Academic Regulations that are posted on the Student Services/ Admissions & Registration web page.

PLAGIARISM

Plagiarism is a serious academic offence. Plagiarism occurs when a student submits work for credit that includes the words, ideas, or data of others, without citing the source from which the material is taken. Plagiarism can be the deliberate use of a whole piece of work, but more frequently it occurs when students fail to acknowledge and document sources from which they have taken material according to an accepted manuscript style (e.g., APA, CSE, MLA, etc.). Students may use sources which are public domain or licensed under Creative Commons; however, academic documentation standards must still be followed. Except with explicit permission of the instructor, resubmitting work which has previously received credit is also considered plagiarism. Students who plagiarize material for assignments will receive a mark of zero (F) on the assignment and may fail the course. Plagiarism may also result in dismissal from a program of study or the University.

YUKON FIRST NATIONS CORE COMPETENCY

Yukon University recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, to graduate from ANY Yukon University program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see www.yukonu.ca/yfnccr.

ACADEMIC ACCOMMODATION

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon University Academic Regulations (available on the Yukon University website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, he/she should contact the Learning Assistance Centre (LAC): lac@yukonu.ca.

TOPIC OUTLINE

Week	Material Covered	Assessment
Sept 2 Sept 7	Course Introduction /Chapter 2: Back to the Basics Labour Day – No Class	
Sept 9	Chapter 2: Back to the Basics	
Sept 14-16	Chapter 3: General Business Management Applications	A1 due
Sept 21-23	Chapter 6: Marketing Applications	Quiz 1
Sept 28-30	Chapter 8: Simple Interest: Working with Single Payments/Applications	Quiz 2 A2 due
Oct 5	Intro to compound interest & Review Midterm	
Oct 7	Midterm: Chapters 2, 3, 6, 8, 9	
Oct 12 Oct 14	Thanksgiving- No Class Case Study Research	Quiz 3

Oct 19-21	Chapter 9: Compound Interest: Single Payments	A3 due
Oct 26-28	Chapter 11: Compound Interest: Annuities	
Nov 2-4	Chapter 12: Compound Interest: Special Applications of Annuities	Quiz 4
Nov 9	Case Study Research	A4 due
Nov 11	Remembrance Day – No Class	
Nov 16-18	Chapter 13: Understanding Amortization & Applications	Draft due
		A5 due
Nov 23-25	Annuities Review	Report due
		A6 due
Nov 30 – Dec 2	Chapter 14: Bonds and Sinking Funds Principle of Counting	
Dec 7 Dec 8	Case Study 2 Presentations & Review Review - YukonU is following a Monday Schedule –Class	
Dec 18	9 – 12 Final Exam	