



BUSI 3040R: **Data Analytics & Information Systems for Accounting** **SUMMER 2025**

Instructor	Naomi Fernando, CPA (she/her/hers)
Email Address	naomifernando@cunet.carleton.ca
Modality	Asynchronous
Office Hours	By Email
Office Location	7036 NI

Pre-Requisites & Preclusions:

Prerequisites: BUSI 1401 or BUSI 2400, and BUSI 3007 with a grade of C- or higher in each.

Course Description/Instructor's Statement

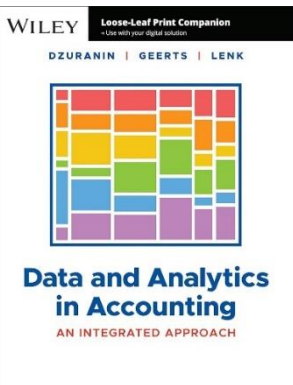
Carleton Calendar Description (Find at <https://calendar.carleton.ca/undergrad/courses/BUSI/>)

This course will focus on the application of data analysis in accounting. Students will learn theoretical and practical aspects of working with and making sense of big data. They will understand how data can provide insight into different accounting situations. Students will also learn about the application of data analytics to audit, financial, managerial accounting and tax.

Course Learning Objectives:

1. Recognize what data analytics is and how it is related to accounting information systems (AIS).
2. Assess the risks related to the use of AIS and identify the appropriate controls using different frameworks.
3. Use tools to collect, clean and analyze data.
4. Interpret results from data analysis to make quality decisions.
5. Present and communicate financial and non-financial information using data visualizations.
6. Apply data analytics to auditing, financial accounting, management accounting and tax

Required/Optional Materials & Prices



Data and Analytics in Accounting: An Integrated Approach

- Dzurinin, Geerts, Lenk; 1st Edition; Wiley Publishing; 2022
- Rental (Digital): **\$62.00**
- Purchase (Digital): **\$146.95**
- ISBN: 978-1-119-72315-8

Software

- Microsoft Excel
- Power BI
- Tableau (Optional)

- Alteryx (Optional)

Instructions for obtaining each of the above software through your school account will be provided on Brightspace.

Grading Scheme

Show me your Work (Best 8 out of 10)	5%	*You need to obtain a minimum grade of 40% on the Final Exam to pass this course
Assignment 1	10%	
Assignment 2	10%	
Assignment 3	10%	
Assignment 4 (Group Project)	15%	
Final Exam	50%	
TOTAL	100%	

Important Dates to Note

Show me your Work (Best 8 out of 10)	Each Week
Assignment 1	May 21st, 2025
Assignment 2	June 13th, 2025
Assignment 3	July 18th, 2025
Assignment 4 (Group Project)	July 28th, 2025
Final Exam	TBD during August 17th – 23rd, 2025

University Academic Calendar: <https://calendar.carleton.ca/academicyear/>

Policies & Accommodations

<https://students.carleton.ca/course-outline/>

<https://carleton.ca/pmc/current-students/academic-accommodations/>



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