

**COURSE NAME:** DAT110 Business Systems Analysis

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Credit Value: 3  
Total Course Hours: 42  
Prerequisite Course(s): None  
Corequisite Course(s): None

## COURSE DESCRIPTION

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This course provides students with a thorough introduction to the field of business systems. Students discuss the role of a business analyst and the impact that an effective analysis will have on a business. Much of the course is dedicated to understanding the various tools at our disposal to conduct a business analysis including how to identify impactful priorities, working with decision-making tools, and the role of key performance indicators to measure success of the business initiative. Students will examine a number of mini-cases to reinforce the theory.

## PLAR INFORMATION

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This course is eligible for Prior Learning Assessment and Recognition. Students are advised to discuss options with their program coordinator.

## COURSE LEARNING OUTCOMES

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Upon completion of this course, the student will have reliably demonstrated the ability to:

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| <p>1.0 Explain the role of business systems and the business systems analyst.</p> <ul style="list-style-type: none"><li>1.1 Define business systems analysis.</li><li>1.2 Explain the business systems development cycle.</li><li>1.3 Identify the roles and responsibilities of a business system analyst.</li><li>1.4 List typical challenges faced by business systems analysts.</li></ul> <p>2.0 Outline the structure of typical business systems found in organizations.</p> <ul style="list-style-type: none"><li>2.1 Explain different types of business systems.</li><li>2.2 Differentiate between business systems and business processes.</li><li>2.3 Identify typical business systems found in most organizations.</li><li>2.4 List the elements of typical business systems.</li></ul> <p>3.0 Explain techniques to elicit business analysis project requirements.</p> <ul style="list-style-type: none"><li>3.1 Define elicitation.</li><li>3.2 Outline a typical requirements elicitation process<sup>1</sup>.</li><li>3.3 Explain primary and secondary elicitation techniques such as structured investigative</li></ul> | <p>interviews, brainstorming, observation, questionnaires, random sampling and records review.</p> <p>3.4 List typical tasks associated with a requirements analysis<sup>1</sup> process.</p> <p>4.0 Demonstrate analysis tools used in the business analysis process.</p> <ul style="list-style-type: none"><li>4.1 Differentiate between descriptive, predictive and prescriptive analysis.</li><li>4.2 Demonstrate the use of analysis tools for problem identification.</li><li>4.3 Demonstrate the use of analysis tools for identifying improvement priorities.</li><li>4.4 Demonstrate the use of analysis tools for decision-making.</li><li>4.5 Demonstrate the use of analysis tools for process identification.</li><li>4.6 Demonstrate the use of analysis tools for controlling and improving processes.</li><li>4.7 Demonstrate the use of analysis tools for resource planning.</li></ul> |
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## GENERAL EDUCATION

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This is not a General Education course.

## PROGRAM OUTCOMES

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This course contributes to the following Ministry of Colleges and Universities approved program learning outcomes (PLO):

### Enterprise Analysis and Research

1. Identify, collect, organize, manipulate and analyze data to support problem solving, organizational decision-making and opportunity identification.
4. Conduct data analysis and research in a respectful and ethical manner that protects privacy and maintains dignity to all involved.
6. Apply enterprise intelligence, analytics and big data tools appropriate to organizational problems, data movement, and system workloads to support evidence-based decision-making.

## ESSENTIAL EMPLOYABILITY SKILLS OUTCOMES

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This course contributes to the following Ministry of Colleges and Universities approved essential employability skills (EES) outcomes:

4. Apply a systematic approach to solve problems
5. Use a variety of thinking skills to anticipate and solve problems
7. Analyse, evaluate, and apply relevant information from a variety of sources.

## EXTERNAL COURSE ACCREDITATIONS AND CONDITIONS

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## COURSE EVALUATION

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40%Case Studies

30%Tests

30%In Class Exercises

## PROGRAM SPECIFIC GRADING

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Per College Grading System

## GRADING SYSTEM

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A+:	90-100%	B+:	77-79%	C+:	65-69%	D:	50-54%	S - Satisfactory
A:	85-89%	B:	73-76%	C:	60-64%	F:	0-49%	I - Incomplete
A-:	80-84%	B-:	70-72%	D+:	55-59%			F- Repeat Course, included in GPA
								FS- Failure Supplemental
								FR- Repeat course, excluded from GPA

\*For a complete chart of grades and descriptions, please see the Grading Policy.

## LEARNING RESOURCES

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### Required Resources:

Title 1: An Introduction to Business Systems Analysis: Problem Solving Techniques and Strategies  
ISBN 1: ISBN-10: 1905785615 ISBN-13: 978-1905785612  
Edition 1: 2010

### Other Resources:

#### Recommended:

A Guide to the Business Analysis Body of Knowledge. V 3.0. 2015. Published by the International Institute of Business Analysis. ISBN-13: 978-1-927584-03-3

Resources listed on the course outline support the achievement of learning outcomes, and may be used throughout the course to varying degrees depending on the instructor's teaching methodology and the nature of the resource.

## LEARNING ACTIVITIES

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Lectures, Case Studies, Group Work, Guest Speakers

## DELIVERY MODE

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This course may be delivered, in whole or in part, in a number of modalities, including in class, online, hybrid, in a synchronous or asynchronous manner or a combination thereof, as per accreditation and/or regulatory standards where appropriate.

## ACADEMIC POLICIES

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Canadore College is committed to the highest standards of academic integrity, and expects students to adhere to these standards as part of the learning process in all environments. The College's Academic Integrity policy seeks to ensure that all students understand their rights and responsibilities in upholding academic integrity and that students receive an accurate and fair assessment of their work. Please review the Academic Integrity policy (A-18) and other academic policies found on our website:

<https://www.canadorecollege.ca/about/policies>.

## COLLEGE POLICIES

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- Protecting human rights in support of a respectful college community

For college policies please see: <http://www.canadorecollege.ca/about-us/college-policies>.

## **STUDENT SUCCESS SERVICES - Your Success Matters!**

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Student Success Services provides student-focused services to facilitate students' success in their studies. Staff provide support by reducing and/or removing educational-related barriers through individualized accommodations and supports to students with disabilities.

Please visit our webpage to learn more: <https://www.canadorecollege.ca/support/student-success-services> or look for our events on social media.

To connect with Student Success Services email [studentsuccessnow@canadorecollege.ca](mailto:studentsuccessnow@canadorecollege.ca) or call 705.474.7600 ext 5205.

### **FIRST PEOPLES' CENTRE:**

A culturally safe environment offering CONFIDENTIAL student focused services, drop in or make an appointment to access:

- One on one counselling
- Elder in residence program
- Peer tutoring
- Peer mentorship
- Lunch & learn workshops on study skills, self-care, life skills
- Learning Resource Centre

Drop by our offices at C254 College Drive, E101 Commerce Court or call 705 474 7600 Ext. 5961 College Drive / 5647 Commerce Court.

<https://www.canadorecollege.ca/experience/indigenous-student-experience>

## **WAIVER OF RESPONSIBILITY**

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Every attempt is made to ensure the accuracy of this information as of the date of publication. The college reserves the right to modify, change, add, or delete content.

## **HISTORICAL COURSE OUTLINES**

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Students use course outlines to support their learning. Students are responsible for retaining course outlines for future use in applications for transfer of credit to other educational institutions.