COURSE OUTLINE

Section 1:

Course Title: Introduction to Business and ICT

Course Code: BUSI-1600

Course Description: An introduction to how information and communication technology (ICT) can enhance business operations and profitability. Students investigate the structure and internal functions of small to large businesses. Enterprise level systems for resource planning, customer relations management, human resource management, supply chain management, and business intelligence are also studied.

Grade Scheme: ☐ Pass/Fail ☒ Percentage   Minimum Pass Mark: 60%

Course Value: Outcome hours   OR   3 Credit(s)   45 Class Hours

Pre-requisites: NONE

Co-requisites: NONE

Section 2:

Learning Outcomes and Competencies

1. **Identify business functions, processes, and data requirements.**

    1.1 Describe the major functional areas of a business.

    1.2 Differentiate a business process from a business function.

    1.3 Compare and contrast organizational structure, culture, and politics.

    1.4 Describe the structure of a typical IT department.

    1.5 Explain the business value chain model.

    1.6 Explain the difference between data and information.

    1.7 Explain the effects of good information and poor information on an organization.

2. **Investigate the use of ICT in an enterprise.**

    2.1 Describe the basic components of a business information system.

    2.2 Identify the types of ICT systems used in business.

2.3 Describe how ICT supports business processes.

2.4 Describe how ICT can increase the competitive advantage of a business.

2.5 Describe e-commerce and the advantages and challenges to businesses.

2.6 Describe the most common approaches to quality management.

2.7 Explain how ICT supports quality improvements.

2.8 Describe data management concepts.

2.9 Compare and contrast various database models.

2.10 Identify database usage within the enterprise.

3. **Investigate the ethical and social issues related to ICT.**

3.1 Compare and contrast technology related ethical issues.

3.2 Identify key technology trends that raise moral issues.

3.3 Compare and contrast responsibility, accountability, and liability.

3.4 Describe Canada's privacy law, the Personal Information Protection and Electronic Documents Act.

4. **Investigate the importance of the system development life cycle [SDLC] to businesses.**

4.1 Describe the stages of the SDLC.

4.2 Describe the capital budgeting models used to evaluate IT projects.

4.3 Compare and contrast the basic approaches to application software development.

4.4 Compare and contrast proprietary software and off-the-shelf software.

4.5 Explain total cost of ownership and identify all cost components.

4.6 Describe risk management and methods to control risk factors during system development.

4.7 Describe the advantages and disadvantages to out-sourcing.

5. **Investigate enterprise level information systems.**

5.1 Describe transactional processing systems and their use in the enterprise.

5.2 Describe the inputs and outputs for transactional systems.

5.3 Describe enterprise resource planning (ERP).

5.4 Explain the advantages and disadvantages of ERP systems.

5.5 Describe the use of decision support systems within the enterprise.

5.6 Describe the importance of supply chain management.

5.7 Describe customer relationship management.

5.8 Compare and contrast management information systems used in the enterprise.

Section 3:

Assessment Categories:

Assignments   30%
Group Case Study   35%
Tests and exams   25%
Professionalism   10%

Research Component?   ☐ Yes ☒ No

Section 4:
(For administrative use only)

Is this course new?   ☐ Yes ☒ No

Is this course replacing an existing course(s)? ☐ Yes ☒ No

If this course is replacing another, please record the name and code of the old course:

Course equivalents: BUSI-2600 Introduction to Business and ICT

Note: See Quality Procedure A01 for more details.

Catalog Year of Original Course Implementation: 2011

Catalog Year of Current Version Implementation: 2015

Revision level: 2   **Version:** 3   **Date:** June/2016   **Authorized by:** MLGJ

Accreditation and or Supporting Documents:	National Technology Benchmarks: Canadian Council of Technicians & Technologists; Discipline: Information Technology; Level: Technologist
Additional Information:	None
Subject matter expert(s):	Lino Forner

Approved by: (Program Manager)

Paul Murnaghan   Date Approved: **2016-06-30**
Approved by: (Curriculum Consultant)

Mary Lou Griffin-Jenkins   Date Approved: **2016-06-30**