Technology Management (Commerce)

*2019-2020 - UG - Major Program Modification (Modify Existing Calendar Entry)

(A) Proposal summary

Home faculty* Faculty of Business and Information Technology

Summary of proposed changes*

A change to the courses taught for BComm Tech Management, BIT Technology Management (TM) majors and Tech Management minor is proposed. The proposed changes establish a more thorough 'core curriculum' of shared courses for both BIT and BComm students through

- The introduction of new courses, emphasizing both theoretical and experiential learning
- The introduction of existing courses into the revised program maps (for example, to allow both BIT and BComm students to study introductory programming)
- The movement of courses within the program maps to allow students to be physically in the same course at the same time, which increases integration and stronger links between both BIT and BComm TM students, building a linked cohort, something we wish to increase emphasis on in the Technology Management program.

This proposal relates to the BComm Technology Management Major and minor. A separate proposal has been submitted for the BIT Technology Management Major changes.

Is a new course associated with this proposal?* (•) Yes ( ) No

Effective semester* Fall 2019

Are you attaching any supporting documents* (•) Yes ( ) No

(B) Program information

Program or shared core name* Technology Management (Commerce)

Program type Bachelor (Honours)

Degree type Bachelor of Commerce (Honours)

Program or shared core description

Calendar copy*

General information

The Bachelor of Commerce (Honours) degree prepares graduates with strong employability skills and the foundations for excellence in managing business corporations.

Organizations are examined from a number of perspectives, including how they are managed and the changing environments in which they operate. National and international contexts of business are explored, along with relevant issues facing managers in business, labour and the public sector.

Students receive extensive practice in applying theory to the processes of decision-making and problem solving through computer-based exercises and simulations, case study analyses, problem-based learning activities and field-based projects.

Year 2, the core year, is an introduction to each of the functional areas of business – accounting, entrepreneurship, finance, marketing, organizational behaviour and human resources – and an examination of the ways in which these are integrated within an operation. In Years 3 and 4, students may apply to major or major and minor in one or more functional areas.

In Year 4, students benefit from the Pre-Capstone Workshop, Capstone Study Project and Strategic Management courses. Students in the Pre-Capstone Workshop prepare their proposals and project outlines for completion in Capstone Study Project. These unique courses provide an opportunity to consolidate learning from earlier years of the program on the site of a partnering organization and under the supervision of both university faculty and the organization's management team. In lieu of Capstone Study Project, qualified students may also enrol in the Internship program (details below).

Technology Management major

The Technology Management major is offered to students interested in interdisciplinary studies in Commerce and Information Technology. The Bachelor of Commerce (Honours) in Technology Management will develop student skills in data analytics, information systems, change management, and data security. This major focuses on the business aspects of information technology management and is complemented with systems analysis skills. Students enrolled in this major are encouraged to also pursue a minor in data science to further develop their technical skills in preparation for careers in business analysis. Students completing this program including electives in data science will qualify for the Certified Business Technology Manager (CBTM) designation from Canadian Coalition for Tomorrow's ICT (Information Communication Technology) Skills (CCICT), once they obtain sufficient work experience. Graduates will be qualified to hold positions such as business-IT advisors, business analytics consultants, information systems analysts, technical writers, and ICT managers.

Admission requirements

Admission is competitive. The specific average or standing required for admission varies from year to year. Students are selected by taking into consideration a wide range of criteria including school marks, distribution of subjects taken, and performance in subjects relevant to the academic program. Possession of the minimum requirements does not guarantee acceptance. Preference will be given to applicants with the best qualifications.

Current Ontario secondary school students must complete the Ontario Secondary School Diploma (OSSD) with six 4U or 4M credits including English (ENG4U) with a recommended minimum average of 60 per cent and one of Advanced Functions (MHF4U) or Calculus and Vectors (MCV4U) or Mathematics of Data Management (MDM4U) with a recommended minimum average of 60 per cent. All other applicants should refer to admissions for the requirements for their specific category of admission.

Internship program

This program offers students who have successfully completed two years of study, including having achieved a cumulative 3.0 GPA (B

average on a 4.3 scale), an opportunity to engage in a contracted learning partnership with businesses locally and globally. Faculty members may provide links to various internship placement opportunities or a student may secure an employer who meets the criteria as prescribed by the Faculty of Business and Information Technology.

The internship program not only gives students an opportunity to apply classroom concepts to the challenges of organizational life, but also helps them to gain valuable and relevant work experience to promote networking and life-long career success. Participating employers are given the opportunity to bring the motivated learners, thinkers, and doers of tomorrow into their workplaces, as well as provide valuable mentoring to students.

The internship program placement equates to a minimum of 280 hours of progressive business and management experience. The intern's wages (stipulated in a contract) are paid by the sponsoring business over a contracted period. Successful work placement completion and both a verbal and written final report will result in the intern receiving a mark and three credits toward the honours Bachelor of Commerce degree requirements. Students who have successfully completed the Internship program are not required to take the Capstone Study Project.

Admission to the internship program is competitive. While students are participating in an internship program, they may enrol in one course (3 credits) per semester. This course must not interfere with the internship schedule outlined by the employer.

Academic requirements to major / minor in a Bachelor of Commerce program

In order to register for third- and fourth-year major or minor courses, students must hold a minimum 2.0 cumulative GPA (or 2.3 for the Accounting, Entrepreneurship and Technology Management major or minor), with completion of 19/20 first- and second-year Bachelor of Commerce courses, and meet the following individual major requirements:

Accounting **– minimum 2.3 (C+ grade) in each of: BUSI 1130U, BUSI 2130U and BUSI 2180U.**

Entrepreneurship **– minimum 2.3 (C+ grade) in each of: BUSI 1130U, BUSI 2200U and BUSI 2402U.**

Finance **– minimum 2.0 (C grade) in each of: BUSI 2401U and BUSI 2402U.**

Marketing **– minimum 2.0 (C grade) in BUSI 2200U.**

Organizational Behaviour and Human Resources Management **– minimum 2.0 (C grade) in each of: BUSI 2311U and BUSI 2312U.**

Technology Management **– minimum 2.3 (C+ grade) in BUSI 1520U.**

Operations Management minor **– minimum 2.0 (C grade) in BUSI 2603U.**

Standing policy for Bachelor of Commerce majors/minors

Students will be placed on probation in the major or minor if they receive a grade of D in any major or minor course. Students will be removed from the major or minor if they receive a grade of D in two or more major or minor courses; or a grade of F in any major or minor course; or a grade of D in any major or minor course while on probation in the major or minor; or fail to remain with a CGPA of 2.0 or higher. Failing to meet the major or minor standing requirements will result in removal from the major or minor, and continuance in the general concentration will be required.

Program details and degree requirements

To be eligible for the honours Bachelor of Commerce degree in Technology Management, students must successfully complete 120 credit hours, including all courses outlined in the following program map.

Although reasonable efforts will be made to adhere to the following program map, course requirements and term offerings may change. For the most up-to-date list of course offerings, please visit the faculty website at businessandit.uoit.ca.

Year 1

Semester 1 (15 credit hours)

BUSI 1010U Critical Thinking and Ethics
BUSI 1520U Business Computer Applications
BUSI 1600U Management of the Enterprise
BUSI 1915U Business Math I
ECON 2010U Microeconomics

Semester 2 (15 credit hours)

[Before] General Elective
BUSI 1020U Business Communications
BUSI 1130U Introduction to Financial Accounting
BUSI 1916U Business Math II
ECON 2020U Macroeconomics
INFR 1100U Introduction to Programming

Year 2

Semester 1 (15 credit hours)

BUSI 1450U Statistics
BUSI 2180U Introduction to Managerial Accounting
BUSI 2311U Organizational Behaviour
[Before]One of:
BUSI 2200U Marketing Management
[Right] or
[After] General elective
BUSI 2401U Finance I
BUSI 2500U Business Simulation and Analytics

Semester 2 (15 credit hours)

[Before] Business elective
BUSI 2312U Human Resources Management
BUSI 2402U Finance II
BUSI 2603U Introduction to Operations Management
[Before]One of:
BUSI 2200U Marketing Management
[Right] or
[After] General elective
BUSI 3040U Information Systems

Year 3

Semester 1 (15 credit hours)

[Before] Major course
Major course
Major course
[Before] Business elective
[Before]One of:
BUSI 3040U Information Systems
[Right] or
[Before] General elective
BUSI 3705U Legal Environment of Business

Semester 2 (15 credit hours)

- **Major course**
- **Major course**
- **Major course**
- **Business elective**
- **General elective**

[Before] Major course
Major course

[Before] Open elective
Open elective

[Before] **One of:**
BUSI 3040U Information Systems
[Right] or
BUSI 3705U Legal Environment of Business

Year 4

Semester 1 (15 credit hours)

[Before] Major course
Major course
Major course

[Before] Business elective

[Before] Open elective

BUSI 4701U Strategic Management

[Before] **One of:**
BUSI 4798U Incubator I
[Right] * or
BUSI 4990U Capstone Study Project I
[Right] **
BUSI 4995U Capstone Study Project

Semester 2 (15 credit hours)

- **Major course**
- **Major course**
- **Major course**
- **Major course**
- **General elective**

[Before] Major course
Major course
Major course
Major course

[Before] Business elective

[Before] Open elective

[Before]One of:
BUSI 4799U Incubator II
[Right] * or
BUSI 4995U Capstone Study Project II
[Right] **
[After]

***Students must register in BUSI 4798U – Incubator I in the fall of Year 4. This non-credit course is a prerequisite for BUSI 4799U – Incubator II.**

****Students must register in BUSI 4990U – Capstone Study Project I in the fall of Year 4. This non-credit course is a prerequisite for BUSI 4995U – Capstone Study Project II.**

Technology Management major requirements

The Technology Management major in the Bachelor of Commerce (Honours) program requires a minimum of 30 credit hours in technology management courses.

Technology Management core courses

BUSI 2500U Business Simulation and Analytics
BUSI 3040U Information Systems
BUSI 3330U The Management of Change
BUSI 2550U Introduction to Project Management
BUSI 3504U Database and Business Intelligence
BUSI 3670U Risk Management Frameworks and Processes
BUSI 3550U Systems Analysis and Design
BUSI 4590U Topics in Informatics
INFR 2600U Introduction to Computer Security
BUSI 4040U Emerging Trends in Technology Management
BUSI 4504U Business Intelligence and Data Warehouses
BUSI 4570U Strategic Information Technology Management
BUSI 4590U Topics in Technology Management
INFR 1100U Introduction to Programming
INFR 4680U IT Security Policies and Procedures

Electives

Students in the Bachelor of Commerce (Honours), Technology Management major must complete ~~10~~ **5** elective courses as a part of their degree requirements. The electives are divided as follows:

- Three **general electives** (9 credit hours). A general elective is considered a course outside of business (i. e. without the BUSI prefix).
- ~~Three~~ **Two business electives** ~~(9~~ **(6** credit hours) in business courses outside of ~~one's major. Five open electives (15 credit hours). Open electives can be either general or Business electives. A maximum of two (6 credit hours) of these electives can consist of courses within~~ one's major.

Three general electives **(9 credit hours). A general elective is considered a course outside of business (i. e. without the BUSI prefix).**

~~**Three**~~ **Two** business electives ~~**(9**~~ **(6 credit hours) in business courses outside of** ~~**one's major. Five open electives (15 credit hours). Open electives can be either general or Business electives. A maximum of two (6 credit hours) of these electives can consist of courses within**~~ **one's major.**

Program learning outcomes

(C) Detailed proposal information

Brief background on existing program*

The Technology Management program is offered to both BComm and BIT students in FBIT. It is a direct answer to the needs of industry for holistic thinkers who are capable of working on both the IT and the business sides of a company, able to understand the way IT has to integrate into and support the business strategy whilst comprehending the strategy's inherent reliance on the correct deployment of IT.

Rationale for the modification*

We propose to create a 'core' curriculum that allows both BComm and BIT students a view into these two vital aspects of business. Prior to this proposed change, there was a distinct difference in the way the two different offerings of the major were taught, with different courses and paths. Whilst it is important for Commerce students and IT students to be able to focus on their specialties, it is also necessary to acknowledge the need for integration of thought and understanding of the 'other' side of business.

The core curriculum answers this need by having shared courses, where both BComm and BIT Technology Management Major students take the course together, and different courses for each side of the major that build on the strengths and requirements of the individuals (for example, more technical and hands-on coding and networking skills for the BIT Technology Management students, and more business strategy and soft skills focused for the BComm Technology Management Students).

Fit with broader array of program offerings*

Both major programs take advantage of UOIT and FBIT's existing strengths. Since the Faculty is already interdisciplinary, the programs will expose the students to the perspectives of both Information Technology and how it relates to business strategy, and of Business, Management and associated perspectives, and how they are supported by IT. These majors will allow for graduates from UOIT that are able to span the spectrum of

Technology Management needs expressed by industry. We are the only school in Canada that can offer this diversity of skill development in technology management. We have more than 30 faculty members with relevant expertise. Students within the major, from both IT and Commerce, will be able and encouraged to work on interdisciplinary projects that will reflect real-world environments.

The program complements existing graduate programs in UOIT in Computer Science, IT Security, and Health Informatics, and opens the door to Technology Management graduate programs in future. Additionally, through the capstone and internship programs, we will be able to complement and strengthen our already close links with our partners and develop new relationships.

Faculty members*	See Appendix D in the attachment.
Additional academic and non-academic human resources*	The Faculty has been approved for two new hires in the 2019-2020 timeframe. The hiring process is well underway for one of these (in MIS) in order to bolster our numbers in this area.
Physical resource requirements*	N/A
Statement of funding requirements*	Additional staff is being hired in the coming year in order to bolster the Technology Management program and will be capable of delivering many of the courses listed in this program. There are no additional funding requirements beyond this. The majority of courses are already being offered through BIT and BComm programs. There are three new courses that are also available as business electives for the rest of the commerce students.
Statement of resource availability*	N/A
Transition plan*	Implementation would take place from Fall 2019. For Fall 2018 cohort, they would take INFR 1100U in place of the general elective currently scheduled in the third year Fall term of their program map. For Fall 2019 cohort, INFR 1100U is scheduled in the 1st year Winter term.
Additional supporting information, if applicable	

(D) Impact and consultation

Does this change include any indigenous content?* ○ Yes ◉ No

We have consulted with all impacted areas* ○ Yes ◉ N/A

Consultation* N/A

BUSI - 2500U - Business Simulation and Analytics

***2019-2020 - UG - New Course**

(A) Proposal summary

Home faculty* Faculty of Business and Information Technology

This new course is associated with the following:*
- ( ) A Minor Program Adjustment
- (•) A Major Program Modification
- ( ) A New Program
- ( ) None of the above

Will this new course appear anywhere other than the course description section of the calendar?* (•) Yes ( ) No

Program(s) impacted* Bachelor of Commerce - Technology Management Major

Bachelor of Information Technology - Technology Management Major

Bachelor of Commerce - Technology Management Minor

Effective semester* Fall 2019

Are you attaching any supporting documents?* (•) Yes ( ) No

(B) Course information

Course subject code* BUSI

Course number* 2500U

Course title (long form)* Business Simulation and Analytics

Subject area* Information Technology

Course description*	Functional business areas such as Finance, Accounting, Production Planning, Procurement, Logistics, Marketing, and Sales are coordinated using Enterprise Resource Planning (ERP) systems. This course introduces students to the concept of integration within an organization. Using an experiential approach, this course will provide students hands-on training in the use of tools, such as SAP, an industry leader in ERP.
Credit hours*	3
Lecture hours	3
Lab hours	3
Tutorial hours	
Other hours	
Cross-listing(s)	
Prerequisite(s)	BUSI 1600U
Prerequisite(s) for Banner	
Corequisite(s)	
Prerequisite(s) with concurrency	
Credit restriction(s)	
Is the credit restriction an equivalent course?	
Recommended	
Course restrictions	
Course type*	☑ Core ☐ Elective
Is the course undergraduate or professional?*	☑ Undergraduate ☐ Professional
Grade mode*	◉ N (normal alpha grades) ○ P (pass/fail grade)
CLS (in-class delivery)*	◉ Yes ○ No
HYB (in-class and online delivery)*	◉ Yes ○ No
IND (individual studies)*	○ Yes ◉ No
OFF (off-site)*	○ Yes ◉ No
WB1 (virtual meet time - synchronous)*	◉ Yes ○ No
WEB (fully online - asynchronous)*	◉ Yes ○ No

N/A (not applicable)* ○ Yes ◉ No

Teaching and assessment methods* Assessment will consist of Team Performance/Ranking, Simulation reflection analysis, Team presentation, and Final exam.

Course learning outcomes* Students will learn to:

Understand how business processes are integrated across different functional areas
Execute entire processes in sales, procurement, production, and logistics

Be able to extract and analyze meaningful information from enterprise systems data
Use analytics to predict consequences of decisions on pricing, production, and sales in a competitive market
Understand how the cost of capital, debt, and earnings affect firm valuation
Prepare and deliver impactful presentations that are persuasive and concise
Be able to apply Design Thinking approaches to create management dashboards
Prepare and integrate different data sources for analytics
Choose appropriate data visualization tools for data storytelling
Work in teams and develop personal and group resilience skills
Explain holistically how people, processes, products and information systems contribute to success or failure of business performance

(C) Impact and consultation

Does this course contain any indigenous content?* ○ Yes ◉ No

We have consulted with all impacted areas* ○ Yes ◉ N/A

Consultation* N/A

(D) Financial implications

Financial implications*	N/A

BUSI - 4040U - Emerging Trends in Technology Management

***2019-2020 - UG - New Course**

(A) Proposal summary

Home faculty* Faculty of Business and Information Technology

This new course is associated with the following:*
- ( ) A Minor Program Adjustment
- (•) A Major Program Modification
- ( ) A New Program
- ( ) None of the above

Will this new course appear anywhere other than the course description section of the calendar?* (•) Yes ( ) No

Program(s) impacted* Bachelor of Commerce Program - Technology Management Major

Bachelor. of Information Technology - Technology Management Major

Effective semester* Fall 2019

Are you attaching any supporting documents?* ( ) Yes (•) No

(B) Course information

Course subject code* BUSI

Course number* 4040U

Course title (long form)* Emerging Trends in Technology Management

Subject area* Business

Course description*

Technology, and the way we use and manage it changes rapidly. In this course, we examine the trends in Technology Management that are occurring, focusing on new and impactful technologies and how they can change business and life.

Credit hours*	3
Lecture hours	3
Lab hours	
Tutorial hours	1.5
Other hours	
Cross-listing(s)	
Prerequisite(s)	BUSI 3040U
Prerequisite(s) for Banner	
Corequisite(s)	
Prerequisite(s) with concurrency	
Credit restriction(s)	
Is the credit restriction an equivalent course?	
Recommended	
Course restrictions	
Course type*	☑ Core ☐ Elective
Is the course undergraduate or professional?*	☑ Undergraduate ☐ Professional
Grade mode*	◉ N (normal alpha grades) ○ P (pass/fail grade)
CLS (in-class delivery)*	◉ Yes ○ No
HYB (in-class and online delivery)*	◉ Yes ○ No
IND (individual studies)*	○ Yes ◉ No
OFF (off-site)*	○ Yes ◉ No
WB1 (virtual meet time - synchronous)*	◉ Yes ○ No
WEB (fully online - asynchronous)*	◉ Yes ○ No
N/A (not applicable)*	○ Yes ◉ No

Teaching and assessment methods*	Assessment will consist of: class participation, in-class presentations, final exam.
Course learning outcomes*	By the end of this course, the student will be able to: Critically analyze technology change Identify new trends in business technology management Recognize and explain current trends in technological advancement and their application to business and social life Critique current trends, including their potential social implications Track current trends and confidently predict future developments

(C) Impact and consultation

Does this course contain any indigenous content?*	○ Yes ◉ No
We have consulted with all impacted areas*	○ Yes ◉ N/A
Consultation*	N/A

(D) Financial implications

Financial implications*	N/A

BUSI - 4504U - Business Intelligence and Data Warehouses

***2019-2020 - UG - New Course**

(A) Proposal summary

Home faculty* Faculty of Business and Information Technology

This new course is associated with the following:*
- ○ A Minor Program Adjustment
- ◉ A Major Program Modification
- ○ A New Program
- ○ None of the above

Will this new course appear anywhere other than the course description section of the calendar?* ◉ Yes ○ No

Program(s) impacted* Bachelor of Commerce Program - Technology Management Major

Bachelor. of Information Technology - Technology Management Major

Bachelor of Commerce - Technology Management Minor

Effective semester* Fall 2019

Are you attaching any supporting documents?* ◉ Yes ○ No

(B) Course information

Course subject code* BUSI

Course number* 4504U

Course title (long form)* Business Intelligence and Data Warehouses

Subject area* Business

Course description*	Business Intelligence and Data Warehousing are integral aspects of how businesses use data to help make decisions and include analytical processing, querying, and dashboarding. This course will use experiential learning and theory to present how such tools and techniques can be introduced to and used productively in organizations of any size.
Credit hours*	3
Lecture hours	3
Lab hours	3
Tutorial hours	
Other hours	
Cross-listing(s)	
Prerequisite(s)	BUSI 3040U and BUSI 3504U
Prerequisite(s) for Banner	
Corequisite(s)	
Prerequisite(s) with concurrency	
Credit restriction(s)	
Is the credit restriction an equivalent course?	
Recommended	
Course restrictions	
Course type*	☑ Core ☐ Elective
Is the course undergraduate or professional?*	☑ Undergraduate ☐ Professional
Grade mode*	◉ N (normal alpha grades) ○ P (pass/fail grade)
CLS (in-class delivery)*	◉ Yes ○ No
HYB (in-class and online delivery)*	◉ Yes ○ No
IND (individual studies)*	○ Yes ◉ No
OFF (off-site)*	○ Yes ◉ No
WB1 (virtual meet time - synchronous)*	◉ Yes ○ No
WEB (fully online - asynchronous)*	◉ Yes ○ No

N/A (not applicable)*	○ Yes ◉ No
Teaching and assessment methods*	Assessment will consist of class participation and case studies.
Course learning outcomes*	**This course focuses on the concepts and applications of Business Intelligence (BI) and Data Warehousing, providing hands-on practices with SAP S/4HANA and SAP BW. Through this course, students will learn:** **- The basics of generic BI solutions** **- Multidimensional modelling and Online Analytical Processing (OLAP)** **- Data quality concepts** **- Data warehousing principles and architecture** **- The ETL process (Extract, Transform, Load)** **- The conceptual/technical architecture of SAP BW** **- Data modelling and acquisition using SAP BW** **- Multidimensional analysis using SAP BW** - Querying using SAP BW

(C) Impact and consultation

Does this course contain any indigenous content?*	○ Yes ◉ No
We have consulted with all impacted areas*	○ Yes ◉ N/A
Consultation*	N/A

(D) Financial implications

Financial implications*	N/A

BUSI - 3040U - Information Systems

*2019-2020 - UG - Course Change v2

(A) Proposal summary

Home faculty*: Faculty of Business and Information Technology

Course changes*:

- [ ] Contact hours
- [ ] Co-requisite(s)
- [ ] Course description
- [ ] Course instructional method
- [ ] Course number or course subject code
- [ ] Course title
- [ ] Credit restriction(s) and/or equivalencies
- [ ] Credit weighting
- [ ] Cross-listing(s)
- [ ] Grade mode
- [ ] Learning outcomes
- [x] Prerequisite(s)
- [ ] Remove course from academic calendar
- [ ] Teaching and assessment methods
- [ ] Other

Other changes:

Is this course change associated with a program proposal?*: (•) Yes ( ) No

Reason for change and ways in which it maintains/enhance course/program objectives*: Currently BUSI 3040U has several pre-requisites that exist for the purpose of ensuring that BComm students complete second-year courses before entering this course. We are changing this to a more straightforward pre-requisite in order to facilitate the use of BUSI 3040U in the new Technology Management Major program for BIT and BComm.

Financial implications*: N/A

Effective semester*: Fall 2019

Are you attaching any supporting documents?*	○ Yes ◉ No
Additional supporting information, if applicable	

(B) Course information

Course subject code*	BUSI
Course number*	3040U
Course title (long form)*	Information Systems
Course title (short form)	
Subject area	Business
Course description	This course introduces students to the management issues, concepts and terminology associated with information technology systems. This course is of interest to students with either a technical or a nontechnical background. Issues discussed include: the role of computers in modern organizations, data models and their relation to organization models, systems development processes, and systems theory. Students will learn to recognize opportunities for use of computer based technology at strategic, tactical and operational levels; the technical and organizational problems generated by introducing new technology; and the long-term organizational implications of these decisions.
Credit hours	3
Lecture hours	1.5
Lab hours	
Tutorial hours	1.5
Other hours	
Cross-listing(s)	
Prerequisite(s)	~~**BUSI 2170U or BUSI 2180U,**~~ BUSI ~~**2202U**~~ **1600U** or ~~**BUSI 2200U, BUSI 2312U, BUSI 2402U, BUSI 2603U and Year 3 standing**~~ **enrolled** in the ~~**BCom (Hons)**~~ **Science and Management** program
Prerequisite(s) (for Banner)	
Corequisite(s)	

Prerequisite(s) with concurrency

Credit restriction(s)

Is the credit restriction an equivalent course?

Recommended

Course restrictions

Course type ☐ Core ☐ Elective

Is the course undergraduate or professional? ☐ Undergraduate ☐ Professional

Grade mode ○ N (normal alpha grades) ○ P (pass/fail grade)

CLS (in-class delivery) ○ Yes ○ No

HYB (in-class and online delivery) ○ Yes ○ No

IND (individual studies) ○ Yes ○ No

OFF (off-site) ○ Yes ○ No

WB1 (virtual meet time - synchronous) ○ Yes ○ No

WEB (fully online - asynchronous) ○ Yes ○ No

N/A (not applicable) ○ Yes ○ No

Teaching and assessment methods

Course learning outcomes

(C) Impact and consultation

Does this course contain any indigenous content?* ○ Yes ◉ No

We have consulted with all impacted areas* ◉ Yes ○ N/A

Consultation* N/A

(D) Routing

Faculty or program-level group*

Faculty of Business and Information Technology

BUSI - 4570U - Strategic Information Technology Management

***2019-2020 - UG - Course Change v2**

(A) Proposal summary

Home faculty* Faculty of Business and Information Technology

Course changes*

- [ ] Contact hours
- [ ] Co-requisite(s)
- [ ] Course description
- [ ] Course instructional method
- [ ] Course number or course subject code
- [ ] Course title
- [ ] Credit restriction(s) and/or equivalencies
- [ ] Credit weighting
- [ ] Cross-listing(s)
- [ ] Grade mode
- [ ] Learning outcomes
- [x] Prerequisite(s)
- [ ] Remove course from academic calendar
- [ ] Teaching and assessment methods
- [ ] Other

Other changes

Is this course change associated with a program proposal?* (•) Yes ( ) No

Reason for change and ways in which it maintains / enhance course / program objectives* To facilitate Technology management program changes for both B Commerce and B. of IT; a prerequisite is required.

Financial implications* N/A

Effective semester* Fall 2019

Are you attaching any supporting documents?* ○ Yes ◉ No

Additional supporting information, if applicable

(B) Course information

Course subject code* BUSI

Course number* 4570U

Course title (long form)* Strategic Information Technology Management

Course title (short form)

Subject area Business

Course description

Information technology (IT) has the potential to change the landscape of global competition, increase productivity, change industry structure, make markets more efficient and alter a firm's competitive position. IT can increase the efficiency of every business activity including product design, production, purchasing, marketing, customer-supplier relationships and human resource management. Economists agree that IT has contributed significantly to productivity growth and helped check inflation. Such beliefs and promises have persuaded corporations to spend over a trillion dollars on IT alone over the last decades. However, the dramatic decline in IT investments after 2000–2001 and the difficulty researchers have had in tying IT investments to corporate performance has led sceptics to question the economic contribution of IT. Indeed, the rapid rate of IT innovation, massive investments in the IT infrastructure and applications, the difficulty in showing the competitive impact of IT investments and conflicting viewpoints regarding the value of IT raise a gamut of issues for managers in user organizations, financial institutions, vendor organizations and consulting firms: Do IT and the Internet change basic economic principles and strategies? Does the ability to search, seek and share information regardless of time, space and geographical differences increase market efficiency? Is such efficiency beneficial to all market participants? How and where can IT benefit an organization? Are there any killer applications that can still justify large investments in IT infrastructure? Which types of information technologies hold promise for the future? This course has been designed to provide frameworks and underlying principles to address these and other related issues.

Credit hours 3

Lecture hours 3

Lab hours

Tutorial hours	**Other hours**
Cross-listing(s)	
Prerequisite(s)	**BUSI 3040U**
Prerequisite(s) (for Banner)	
Corequisite(s)	
Prerequisite(s) with concurrency	
Credit restriction(s)	
Is the credit restriction an equivalent course?	
Recommended	
Course restrictions	
Course type	☐ Core ☐ Elective
Is the course undergraduate or professional?	☐ Undergraduate ☐ Professional
Grade mode	○ N (normal alpha grades) ○ P (pass/fail grade)
CLS (in-class delivery)	○ Yes ○ No
HYB (in-class and online delivery)	○ Yes ○ No
IND (individual studies)	○ Yes ○ No
OFF (off-site)	○ Yes ○ No
WB1 (virtual meet time - synchronous)	○ Yes ○ No
WEB (fully online - asynchronous)	○ Yes ○ No
N/A (not applicable)	○ Yes ○ No
Teaching and assessment methods	
Course learning outcomes	

(C) Impact and consultation

Does this course contain any indigenous content?* ○ Yes ◉ No

We have consulted with all impacted areas* ○ Yes ◉ N/A

Consultation* N/A

(D) Routing

Faculty or program-level group* Faculty of Business and Information Technology

BUSI - 4590U - Topics in Technology Management

*2019-2020 - UG - Course Change v2

(A) Proposal summary

Home faculty* Faculty of Business and Information Technology

Course changes*

- [ ] Contact hours
- [ ] Co-requisite(s)
- [ ] Course description
- [ ] Course instructional method
- [ ] Course number or course subject code
- [x] Course title
- [ ] Credit restriction(s) and/or equivalencies
- [ ] Credit weighting
- [ ] Cross-listing(s)
- [ ] Grade mode
- [ ] Learning outcomes
- [ ] Prerequisite(s)
- [ ] Remove course from academic calendar
- [ ] Teaching and assessment methods
- [ ] Other

Other changes

Is this course change associated with a program proposal?* (•) Yes ( ) No

Reason for change and ways in which it maintains / enhance course / program objectives* Name change to match the name of the Technology Management majors in which it is used.

Financial implications* N/A

Effective semester* Fall 2019

Are you attaching any supporting documents?*	○ Yes ◉ No
Additional supporting information, if applicable	

(B) Course information

Course subject code*	BUSI
Course number*	4590U
Course title (long form)*	Topics in ~~Informatics~~ **Technology Management**
Course title (short form)	**Topics in TM**
Subject area	Business
Course description	This course will cover topics in informatics including process modeling, IT governance, and change management. Students will learn the techniques and tools used to design, model, and analyze business processes. They will explore both micro and macro elements of change management will be considered including the importance of management support, the use of communication models to support change, and change within the broader context of organizational growth and adaptation. This course will also introduce students to various IT governance models including ITIL, COBIT, and SOA. Students will learn how IT governance decisions affect organizational productivity.
Credit hours	3
Lecture hours	
Lab hours	3
Tutorial hours	
Other hours	
Cross-listing(s)	
Prerequisite(s)	Third-year standing in Commerce or Information Technology program
Prerequisite(s) (for Banner)	
Corequisite(s)	
Prerequisite(s) with concurrency	

Credit restriction(s)	
Is the credit restriction an equivalent course?	
Recommended	
Course restrictions	
Course type	☐ Core ☐ Elective
Is the course undergraduate or professional?	☐ Undergraduate ☐ Professional
Grade mode	○ N (normal alpha grades) ○ P (pass/fail grade)
CLS (in-class delivery)	○ Yes ○ No
HYB (in-class and online delivery)	○ Yes ○ No
IND (individual studies)	○ Yes ○ No
OFF (off-site)	○ Yes ○ No
WB1 (virtual meet time - synchronous)	○ Yes ○ No
WEB (fully online - asynchronous)	○ Yes ○ No
N/A (not applicable)	○ Yes ○ No
Teaching and assessment methods	
Course learning outcomes	

(C) Impact and consultation

Does this course contain any indigenous content?*	○ Yes ◉ No
We have consulted with all impacted areas*	○ Yes ◉ N/A
Consultation*	N/A

(D) Routing

Faculty or program-level group*	Faculty of Business and Information Technology

Appendix D

List of core faculty and new hire plans

Faculty Members, current

Faculty Name	M/F	Rank	Possible Courses
Aamir, Asifa	F	Associate Teaching Professor	• BUSI 1915U Business Math 1 • BUSI 1916U Business Math II • BUSI 3040U Information Systems
Abari, Amirali	M	Assistant Professor	• BUSI 4590U Topics in Technology Management
Akalu, Rajen	M	Assistant Professor	• BUSI 3705U Legal Environment of Business
Akbari, Amir	M	Assistant Professor	• BUSI 2401 Finance I • BUSI 2402 Finance II
Akbari, Hamid	M	Assistant Professor	• BUSI 4701U Strategic Management
Amaral, Nelson	M	Assistant Professor	• BUSI 4280U Social Media Marketing • BUSI 2200U Marketing Management
Azad, Nader	M	Assistant Professor	• BUSI 2500U Business Integration and Analytics
Bliemel, Michael	M	Professor, Dean	• BUSI 2500U Business Integration and Analytics
Bowen, Jane	F	Associate Teaching Professor	• BUSI 1130U Introduction to Financial Accounting • BUSI 2180U Introduction to Managerial Accounting
Chang, Bin	F	Associate Professor	• BUSI 2410U Managerial Finance
El-Khatib, Khalil	M	Associate Professor	• INFR 1100U Introduction to Programming • INFR 2600U Introduction to Computer Security
Friedlan, John	M	Associate Professor	• BUSI 1130 Intro to Finance Accounting
Hall, Athina	F	Associate Teaching Professor	• BUSI 1130 Intro to Finance Accounting
Hayes, Garrett	M	Assistant Teaching Professor	• INFR 2600U Introduction to Computer Security • INFR 2670U Introduction to Cloud Services • INFR 4680U IT Security, Policy and Procedures
Heydari, Shahram S.	M	Associate Professor	• INFR 1100U Introduction to Programming • BUSI 4590U Topics in Technology Management
Hogue, Andrew	M	Associate Professor	• INFR 1100U Introduction to Programming • INFR 4351U Human Computer Interaction and User Evaluation
Hossein-Nejad, Mehdi	M	Associate Teaching Professor	• BUSI 4701U Strategic Management • BUSI 1600U Management of the Enterprise
Hung, Patrick	M	Professor	• INFR 2600U Introduction to Computer Security • INFR 1100U Introduction to Programming
Ibrahim, Amin	M	Associate Teaching Professor	• BUSI 1520U Business Computer Applications • INFR 1100U Introduction to Programming

			• INFR 2140U Object-Oriented Programming
Jain, Chinmay	M	Assistant Professor	• BUSI 2401U Finance I • BUSI 2402U Finance II
Jiang, Annie	F	Associate Professor	• BUSI 2200U Marketing Management
Jones, Ferdinand	M	Associate Teaching Professor	• BUSI 2180U Introduction to Managerial Accounting
Kapralos, Bill	M	Associate Professor	• INFR 1100U Introduction to Programming • INFR 2140U Object-Oriented Programming • INFR 2810U Computer Architecture
Karray, Salma	F	Professor	• BUSI 2200U Marketing Management • BUSI 4280U Social Media Marketing • BUSI 3503U E-Marketing • BUSI 4230U Marketing Analytic
Kotlyar, Igor	M	Associate Professor	• BUSI 3330U Management of Change
Krasman, Joseph	M	Associate Professor	• BUSI 2311U Organizational Behaviour • BUSI 3330U Management of Change
Krystyniak, Karolina	F	Assistant Professor	• BUSI 2401U Finance I • BUSI 2402U Finance II
Lowe, Josh	M	Associate Teaching Professor	• INFR4680U IT Security, Policy and Procedures • BUSI 3550U Systems Analysis and Design
Lu, Fletcher	M	Associate Professor	• BUSI 1450U Statistics • BUSI 4504U Business Intelligence and Data Warehouses • BUSI 3504U Databases and Business Intelligence
Macfarlane, Kayla	F	Assistant Teaching Professor	• BUSI 1130U Financial Accounting
MacRae, Brent	M	Assistant Teaching Professor	• BUSI 3550U Systems Analysis and Design • BUSI 2550U Intro to Project Management • INFR 4680U IT Security, Policy & Procedures
Marsh, Stephen	M	Associate Professor	• INFR 1100U Introduction to Programming • BUSI 2500U Business Integration and Analytics • BUSI 3040U Information Systems • BUSI 3550U Systems Analysis and Design • BUSI 4510U Knowledge Management and Enterprise Systems • BUSI 4611U Trust Systems • BUSI 4590U Topics in Technology Management • BUSI 4040U Emerging Trends in technology Management • INFR 4680U IT Security Policies and Procedures

McGregor, Carolyn	F	Professor	• BUSI 3504U Databases and Business Intelligence • BUSI 4504U Knowledge Discovery and Data Mining • BUSI 4590U Topics in Technology Management
Miedema, Theresa	F	Assistant Teaching Professor	• BUSI 3705U Legal Environment of Business
Mirza-Babaei, Pejman	M	Associate Professor	• INFR 4351U Human Computer Interaction and User Evaluation
Mojdeh, Sana	M	Assistant Teaching Professor	• BUSI 2500U Business Integration and Analytics • BUSI 2550U Introduction to Project Management • BUSI 3504U Database Systems and Business Intelligence • BUSI 4504U Business Intelligence and Data Warehouses • BUSI 4040U Emerging Trends in Technology Management
Overall, Jeffrey	M	Associate Professor	• BUSI 4701U Strategic Management
Pazzi, Richard W.	M	Associate Professor	• BUSI 4680U IT Security Policies and Procedures
Quevedo, Alvaro Joffre Uribe	M	Assistant Professor	• INFR 4351U Human Computer Interaction and User Experience
Rastpour, Amir	M	Assistant Professor	• BUSI 2603U Operations Management
Ritchie, Pamela	F	Professor	• BUSI 2180U Introduction to Managerial Accounting
Robb, James	M	Assistant Teaching Professor	• INFR 1100U Introduction to Programming
Rubel, Ashfakuddin	M	Assistant Teaching Professor	• ECON 2010U Microeconomics • ECON 2020U Macroeconomics • BUSI 1915U Business Math I • BUSI 1916U Business Math II
Sankaranarayanan, Karthik	M	Assistant Professor	• BUSI 2500U Business Integration and Analytics • BUSI 3670U Risk Management Frameworks and Processes • BUSI 4590U Topics in Technology Management
Shapiro, Morden	M	Associate Teaching Professor	• BUSI 1600U Management of the Enterprise
Smimou, Kamal	M	Associate Professor	• BUSI 2401U Finance I • BUSI 2402U Finance II
Sohrab, Serena Golchereh	F	Assistant Professor (LOA)	• BUSI 3330U Management of Change
Thorpe, Julie	F	Associate Professor	• INFR 1100U Introduction to Programming • INFR 4680U IT Security Policies and Procedures

Thurber, William	M	Associate Teaching Professor	• BUSI 1010U Critical Thinking and Ethics • BUSI 1020U Business Communications
Vargas Martin, Miguel	M	Professor	• INFR 1100U Introduction to Programming • INFR 2410U Object-Oriented Programming •
Wang, Wei-Lin	M	Assistant Professor	• BUSI 4280U Social Media and Marketing • BUSI 4230U Marketing Analytics
Wu, Terry	M	Professor	• BUSI 2200U Marketing Management
Zaman, Loutfouz	M	Assistant Professor	• INFR 4351U Human-Computer Interaction and User Evaluation
Zhu, Ying	F	Associate Professor	• INFR 1100U Introduction to Programming • INFR 2140U Object-Oriented Programming • INFR 2810U Computer Architecture • BUSI 3504U Databases and Business Intelligence
Zui, Hui	F	Associate Professor	• BUSI 2401U Finance I • BUSI 2402U Finance II

Faculty Members, to be hired

We are in the process of hiring two tenured/tenure track positions in Management Information Systems and related areas who will have expertise in analytics, simulation and technology management. These hires will significantly increase our ability to offer courses in the Technology Management major/minor areas. Courses that can be taught by new hires include but are not limited to:

BUSI 3040U Information Systems
BUSI 2500U System Integration and Design
BUSI 4040U Emerging Trends in Tech Management
BUSI 1600U Management of the Enterprise