



## UBC Curriculum Proposal Form Change to Course or Program

**Category: (1)**

<p><b>Faculty: Commerce</b>  <b>Department: Sauder School of Business</b>  <b>Faculty Approval Date: 17/11/05</b></p> <p><b>Effective Session: Winter</b>  <b>Term: 1</b>  <b>Year: 2006-07 for Change</b></p>	<p><b>Date: February 3<sup>rd</sup>, 2006</b>  <b>Contact Person:</b>  <b>Associate Dean Dale Griffin</b>  <b>Phone: 604 822-0156</b>  <b>Email: dale.griffin@sauder.ubc.ca</b></p>																																								
<p><b>Proposed Calendar Entry:</b></p> <p><b>Bachelor of Commerce—Combined Major, Business and Computer Science</b></p> <p>This combined program provides students with a strong grounding in both business and computer science. Although the degree granted is the BCom, the program is jointly administered by the Sauder School of Business and the Department of Computer Science. Student advising will be provided by both units.</p> <p style="text-align: center;"><b>Year 1</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>ENGL 112</td><td style="text-align: right;">3</td></tr> <tr><td>ECON 101</td><td style="text-align: right;">3</td></tr> <tr><td>ECON 102</td><td style="text-align: right;">3</td></tr> <tr><td>MATH 100</td><td style="text-align: right;">3</td></tr> <tr><td>MATH 101</td><td style="text-align: right;">3</td></tr> <tr><td>COMM 292</td><td style="text-align: right;">3</td></tr> <tr><td>COMM 293</td><td style="text-align: right;">3</td></tr> <tr><td>COMM 299</td><td style="text-align: right;">1</td></tr> <tr><td>CPSC 111</td><td style="text-align: right;">4</td></tr> <tr><td>CPSC 121</td><td style="text-align: right;">4</td></tr> <tr><td>Electives</td><td style="text-align: right;">3</td></tr> <tr><td><b>Total</b></td><td style="text-align: right;"><b>33</b></td></tr> </table> <p style="text-align: center;"><b>Year 2</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>COMM 290</td><td style="text-align: right;">3</td></tr> <tr><td>COMM 291</td><td style="text-align: right;">3</td></tr> <tr><td>COMM 294</td><td style="text-align: right;">3</td></tr> <tr><td>COMM 295</td><td style="text-align: right;">3</td></tr> <tr><td>COMM 298</td><td style="text-align: right;">3</td></tr> <tr><td>COMM 391</td><td style="text-align: right;">3</td></tr> <tr><td>CPSC 211</td><td style="text-align: right;">4</td></tr> <tr><td>CPSC 213</td><td style="text-align: right;">4</td></tr> </table>	ENGL 112	3	ECON 101	3	ECON 102	3	MATH 100	3	MATH 101	3	COMM 292	3	COMM 293	3	COMM 299	1	CPSC 111	4	CPSC 121	4	Electives	3	<b>Total</b>	<b>33</b>	COMM 290	3	COMM 291	3	COMM 294	3	COMM 295	3	COMM 298	3	COMM 391	3	CPSC 211	4	CPSC 213	4	<p><b>URL: TBA</b></p> <p><b>Present Calendar Entry:</b></p> <p>n/a</p> <p><b>Type of Action:</b></p> <p>New joint program within existing degree.</p> <p><b>Rationale:</b></p> <p>There is a growing demand for graduates in computer-related science with good skills and knowledge of business and graduates in Commerce with good IT skills and knowledge. In November of 2003, Ipsos/Reid conducted interviews of technology companies in BC who plan to hire at least one science or engineering graduate for a computer-related position in the next five years and produced a comprehensive report for UBC entitled “UBC Computer Related Studies”. In the “Main Findings” the report indicates that “The most desirable areas of expertise for science students to develop breadth are ... business (52%), math/statistics (10%)”....</p> <p>A number of Computer Science departments in other universities have established similar programs. The department of Computer Science at the University of Toronto has an Information Systems option in their Computer</p>
ENGL 112	3																																								
ECON 101	3																																								
ECON 102	3																																								
MATH 100	3																																								
MATH 101	3																																								
COMM 292	3																																								
COMM 293	3																																								
COMM 299	1																																								
CPSC 111	4																																								
CPSC 121	4																																								
Electives	3																																								
<b>Total</b>	<b>33</b>																																								
COMM 290	3																																								
COMM 291	3																																								
COMM 294	3																																								
COMM 295	3																																								
COMM 298	3																																								
COMM 391	3																																								
CPSC 211	4																																								
CPSC 213	4																																								



**BCom Combined Major, Business and CS  
New Program in Current Degree**

CPSC 221	4	Science program. Similarly, the University of Waterloo offers a Bachelor of Computer Science with a Business Option (with mandatory co-op).
Electives	3	
Total	33	
<b>Year 3</b>		<p>The proposed program will allow students to complete all the central courses of a Computer Science Major program as well as all the required courses of a Commerce Major. It will be ideal for students who would like to lead IT-related projects in a business or organizational setting, advance in higher management positions in IT-related companies, or build their own IT-related business.</p> <p>In terms of the Computer Science requirements, the new program is very similar to the combined major programs previously developed in Science in the sense that it requires all the core CPSC courses (except CPSC 313) and has 22 upper level CPSC credits, so it is eligible for DTO funding. The Curriculum Committee decided to relax the CPSC 313 requirements and allow students to replace it with another CPSC course that may be more suitable for their particular learning objectives. This is not a new move. Science allows the same flexibility in the combined honours programs with Biology and Microbiology.</p> <p>Recruiting and admissions will be jointly operated between CS and Commerce, and recruiting targets will be set jointly after consultation with the university.</p>
three credits from	3	
COMM 393		
COMM 399		
COMM 396	3	
COMM 394	3	
COMM 390	3	
CPSC 310	4	
one course from	3-4	
CPSC 313		
CPSC 317		
CPSC 319		
CPSC 322		
CPSC 344		
CPSC 320	3	
CPSC 304	3	
COMM 436	3	
COMM 392	3	
Total	31-32	
<b>Year 4</b>		
three credits from	3	
COMM 393		
COMM 399		
three credits from	3	
COMM 491		
COMM 492		
COMM 497		
COMM 498		
3 credits from CPSC 300 or above	3	
6 credits from CPSC 400 or above	6	
COMM 438	3	
six credits from	6	
COMM 439		
COMM 456		
COMM 335		
COMM 435		
Electives	6	
Total	30	
Degree Total	<b>127-128</b>	

# UBC Curriculum Proposal Form

## Change to Course or Program

**Category: 1**

<b>FACULTY:</b> <b>DEPARTMENT:</b>	<b>DATE:</b> 02 03 05 <b>Effective Date for Change:</b> 02, 2005
<b>Proposed Calendar Entry:</b>  BUSI 112 (3) <b>Canadian Real Property Law and Real Estate Ethics</b> Canadian legal system and contract law and detailed aspects of real estate law as it applies across Canada.	<b>Present Calendar entry</b> <a href="http://students.ubc.ca/calendar/courses.cfm?code=BUSI">http://students.ubc.ca/calendar/courses.cfm?code=BUSI</a>  <b>Type of Action:</b> Change: . 1. Add new alternate course BUSI 112  Course Level: Undergraduate.  <b>Rationale:</b>  1. Reflect need for a nationally-focused alternative to BUSI 112. To be offered September 2005 (WT1).  <b>Contact Person:</b> John Bridal 604.786.9006 <a href="mailto:john.bridal@sauder.ubc.ca">john.bridal@sauder.ubc.ca</a>  <b>Faculty Approval Date:</b> 02 03 05 (Tsur Somerville)

# UBC Curriculum Proposal Form

## Change to Course or Program

### Category: 1

<b>FACULTY:</b> <b>DEPARTMENT:</b>	<b>DATE:</b> 01 17 05 <b>Effective Date for Change:</b> 01, 2005
<b>Proposed Calendar Entry:</b>  BUSI 460 (3) <b>Critical Analysis and Forecasting in Real Estate.</b> Delves into two quantitative decision making methodologies, decision analysis and forecasting, and explores these using a problem solving framework. <i>Prerequisite:</i> BUSI 121. Recommend BUSI 331 and BUSI 444.  BUSI 497 (6) <b>Guided Case Study in Agricultural Real Estate</b> An agriculturally-focused version of BUSI 499. <i>Prerequisite:</i> All of BUSI 330, BUSI 331, BUSI 442, and BUSI 452.	<b>Present Calendar entry</b> <a href="http://students.ubc.ca/calendar/courses.cfm?code=BUSI">http://students.ubc.ca/calendar/courses.cfm?code=BUSI</a>  <b>Type of Action:</b> Change: <ol style="list-style-type: none"> <li>1. Add new course BUSI 460</li> <li>2. Add new course BUSI 497</li> </ol> Course Level: Undergraduate.  <b>Rationale:</b> <ol style="list-style-type: none"> <li>1. Add new course currently under development, to be offered Summer 2005 (ST1).</li> <li>2. Add new course to be offered January 2005 (WT2).</li> </ol> <b>Contact Person:</b> John Bridal 604.786.9006 <a href="mailto:john.bridal@sauder.ubc.ca">john.bridal@sauder.ubc.ca</a>  <b>Faculty Approval Date:</b> 12 23 04 (Tsur Somerville)



## UBC Curriculum Proposal Form Change to Course or Program

Category: ( 1 )

<p><b>Faculty:</b> Sauder School of Business <b>Department:</b> <b>Faculty Approval Date:</b> December 5, 2005</p> <p><b>Effective Session</b> 06W__ <b>Term</b> 2__ <b>Year</b> 2006/07__ <b>for Change</b></p>	<p><b>Date:</b> November 29, 2005 <b>Contact Person:</b> Ann Gilray or Anming Zhang <b>Phone:</b> 822-9518 or 822-8420 <b>Email:</b> <a href="mailto:ann.gilray@sauder.ubc.ca">ann.gilray@sauder.ubc.ca</a> or <a href="mailto:anming.zhang@sauder.ubc.ca">anming.zhang@sauder.ubc.ca</a></p>
<p><b>Proposed Calendar Entry:</b></p> <p><b>COMM 398 (3) Introduction to Business Processes and Operations</b> The design and management of systems that efficiently and effectively supply products and services to the end user. The concepts apply to a variety of settings like manufacturing, logistics, healthcare, and others (For non-commerce students in third and fourth year).</p>	<p><b>URL:</b> <a href="http://students.ubc.ca/calendar/courses.cfm?code=COMM">http://students.ubc.ca/calendar/courses.cfm?code=COMM</a></p> <p><b>Present Calendar Entry:</b></p> <p><b>Type of Action:</b> New 3-credit Commerce Minor course.</p> <p><b>Rationale:</b> As of 06W, the Commerce Minor requirements are changing and will include the addition of an operations course. This is an introductory course in Operations Management and Logistics for non business majors. The primary aim of this course is to provide a high level introduction to operational issues in business. This course will provide students with the skills to analyze different types of business processes. Students will get insights and intuition on issues faced by operations managers and improve their business decision making skills. This will be accomplished by understanding: (i) the business environment and the nature of important operational problems, (ii) the principles, issues and trade-offs relevant in operations management and (iii) traditional and state of the art strategies employed by firms to improve operations.</p>



## COMM 398 Introduction to Business Processes and Operations

### Course Description

This is an introductory course in Operations Management and Logistics for non business majors. The primary aim of this course is to provide a high level introduction to operational issues in business.

Operations managers are concerned with the **efficient** *production* and *distribution* of high **quality** products and services. Traditionally, operations managers have focused on the processes involved in manufacturing and distribution. Increasing competition has forced firms to take a holistic view of their business processes. It has become clear to many firms that to achieve greater efficiency and quality, it is necessary to coordinate their decisions with those of their various business partners (suppliers and customers). Operations managers now are responsible for making decisions that affect and manage the entire supply chain. They are responsible for the planning, design, operation, control and improvement of various processes involved from the time a customer places an order to the time the product is delivered. In addition, they need to managing relationships with the other supply chain partners. The challenge for operations managers is to manage these relationships efficiently and to produce and deliver goods and services in accordance with the business strategy of their company.

This course will provide students with the skills to analyze different types of business processes. Students will get insights and intuition on issues faced by operations managers and improve their business decision making skills. This will be accomplished by understanding: (i) the business environment and the nature of important operational problems, (ii) the principles, issues and trade-offs relevant in operations management and (iii) traditional and state of the art strategies employed by firms to improve operations.

### Instructional Methods

The method of instruction will be through lectures based on articles and cases that will be assigned. The readings will include readings from the business press, case studies of operational issues faced by firms etc. The readings will motivate the concepts discussed in the lectures. The students are required to complete the assigned readings prior to coming to class

### Prerequisites

There are no hard pre-requisites for this course. This course aims to introduce technical material in a non-technical atmosphere. The focus will be to provide intuition and a general understanding of concepts and ideas. Basic concepts such as elementary probability, if needed, will be developed and taught in the lectures.

### Textbook:

Readings and class slides.

### Grading

The final course grade, will be based on a midterm and a cumulative final exam, three individual homework assignments, a group project and a group project according to the following weights shown in the table below. Detailed guidelines for the Case reports and course project will be given out.

Group Project	20%
---------------	-----



Individual Homework	15% (5% each)
Midterm Exam	30%
Final Exam	30%
Class Participation	5%

***COURSE OUTLINE (Tentative)***

- Introduction to operations and logistics
  - What is operations management?
  - What is supply chain management?
  - Role of logistics
  - Traditional focus versus current focus
- Business decisions under uncertainty
  - What is uncertainty
  - Where does it manifest itself in a supply chain
  - Uncertainty in demand and supply
  - What is forecasting?
  - An introduction to probability.
- Introduction to process analysis
  - Manufacturing, logistics and service processes
  - Flow, inventory build-up, and capacity
- Matching processes and products
  - Product Process Matrix
  - Product service matrix
- Waiting line and Queue management
  - Manufacturing
  - Call centers
  - Service processes
  - Queues, inventory and variability
- Inventory Management
  - Costs, reasons and issues
  - Decisions on how much to buy and store
- Supply chain Management
  - Delayed differentiation
  - Mass customization
  - Contracting and coordination
  - Market structure and contracting decisions
  - Outsourcing
- Just-in-time and quality management
- Pricing, Revenue & Inventory management.