



School of Business

Program: Financial Management

Option: Accounting Degree

**FMGT 7710**

**Management Information Systems**

<b>Hours/Week</b>	3	<b>Total Hours</b>	45	<b>Term/Level:</b>	Degree
<b>Lecture:</b>	1	<b>Total</b>	15	<b>Credits:</b>	3
		<b>Weeks:</b>			
<b>Lab:</b>	2				
<b>Other:</b>	0				

**Prerequisites**

**FMGT 7710 is a Prerequisite for:**

<b>Course No.</b>	<b>Course Name</b>	<b>Course No.</b>	<b>Course Name</b>
BUSA 1100	Management	FMGT 8910	Integrative Business
FMGT 4210	Cost and Managerial Accounting 2		Management Practices
FMGT 4710	Microcomputer Systems 2		

**Course Goals**

FMGT 7710 will prepare students to:

- Identify the importance of Accounting and Management Information Systems for proper management and control of organizations.
- Advise business managers on the effective application and deployment of information technology in organizations.
- Apply popular business software (e.g. Excel spreadsheet, ACCESS database, Netscape Internet browser, accounting systems) to create solutions to business problems.
- Employ teamwork and critical thinking skills in developing solutions to information systems problems.
- Apply effective written and oral communication skills in a problem solving context.

**Course Description**

In this course students will gain an understanding of the relationship between information, technology, accounting information systems, business strategy and organizational improvement. They will examine information technology as an enabler and facilitator of business strategy and as an accounting and control tool to track performance and improve managerial decision making. Cases and assignments will focus on small to medium size Canadian organizations looking for appropriate solutions to information technology and accounting issues.

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## Evaluation

Case Presentations and Assignments	30 %
Information Systems Project	30 %
Midterm Exam:	15 %
Final Exam:	15 %
Participation	10 %
TOTAL	<u>100%</u>

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## Course Outcomes and Sub-Outcomes

Upon successful completion of this course the student will be able to:

- 1) Assess the changing role of information technology in business and society.
  - 2) Evaluate the current use of accounting information systems in an organization.
  - 3) Assess the impacts of emerging technologies on an organization.
  - 4) Identify accounting and management situations that can benefit from the appropriate application of information technology.
  - 5) Develop appropriate plans to use information technology for organizational improvement:
    - a) research and interpret business situations,
    - b) apply commonly used models and methodologies for analysis,
    - c) develop appropriate alternatives and solutions, and
    - d) present analysis and recommendations.
  - 6) Plan the implementation of an accounting information system for an organization.
  - 7) Design accounting information systems that will address specific business problems.
  - 8) Implement accounting information systems using a variety of popular business software.
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## Course Record

Developed by: David Horspool Date: October 15, 1997  
Instructor Name & Department (signature)

Revised by: \_\_\_\_\_ Date: \_\_\_\_\_  
Instructor Name & Department (signature)

Recommended by: C. M. Bussiall Date: Nov. 21, 1997  
Program Head Name & Department (signature)

Approved by: \_\_\_\_\_ Start Date: \_\_\_\_\_  
Associate Dean/Dean Name & Department (signature)



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Course Outline **Part B**

School of: Business

Program: Financial Management

Option: Accounting Degree

**FMGT 7710**

**Management Information Systems**

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**Effective Date: January 15, 1998**

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**Instructor(s)**

David Horspool

Office No.: SE6 - 323

Phone: 451-6780

Office Hrs.: Posted on Door

Email: [fhrrsd510@bcit.bc.ca](mailto:fhrrsd510@bcit.bc.ca)

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**Text(s) and Equipment**

Required:

Every Manager's Guide to Information Technology, Second Edition, Peter G.W. Keen, HBR Press

There will also be a package of readings and case studies made available to students.

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**Course Notes (Policies and Procedures)**

An electronic copy of the course presentation materials will be made available to students through the BCIT network or the Internet. Please note: There will be reading assignments for material posted on the Internet – having access to the Internet from home will be very useful, but is not required.

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**Assignment Details**

Case Presentations and Assignments: (team assignments)

- A series of case studies will be used to illustrate issues discussed in class. All case presentations and assignments will be done by teams of three or four students. Each team will present one case, write-up two cases and provide feedback on one case.

Information Systems Project: (team assignment)

- A major objective of this course is to design and plan the implementation of an accounting information system. Students will work in teams to identify a real business problem that will benefit from the application of information technology, design a solution to the problem, and plan the implementation of their solution. Each team will document their system design and present their solution to the class.
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Management Information Systems

Week Number	Outcome/Material Covered (Lecture / Lab)	Reference/ Reading	Assignment	Due Date
1	Course Introduction - The Changing Role of Information Technology	Text and Reading 1	Case 1	
2	Enabling Technologies - hardware, software, telecommunications	Text	Team IS Project	
3	Strategic Use of IT - Using Accounting Information to Gain Competitive Advantage	Text and Reading 2	Case 2	Case 1
4	Strategic Use of IT - Using Accounting Information for Effective Decision Making	Text and Reading 3		Project Proposal
5	Building an Accounting System Infrastructure - Architecture, Networks, Standards, Linkage.	Text and Reading 5	Case 3	Case 2
6	Electronic Commerce - EDI, EFT, Impact on Accounting Systems	Text and Reading 6		
7	Electronic Commerce – Internet, Virtual Organizations.	Text and Reading 7	Case 4	Case 3
8	Midterm Exam			
9	Emerging Technologies – Groupware, Mobile Computing, PDA's, Impact on Accounting Systems	Text and Reading 8		Project Review
10	Emerging Technologies – Expert Systems, Artificial Intelligence, Data Mining, Impact on Accounting Systems	Text and Reading 9	Case 5	Case 4
11	The Role of Information Technology in Accounting – Audit, Forensic Accounting, Control	Text and Reading 10		
12	Management of IT – Control of Accounting Systems, Physical Management	Text and Reading 11		Case 5
13	Management of IT – IT Planning, Linkage to Strategy, MIS Organization, BPR	Text and Reading 12		
14	Ethical Implications of IT for Accountants, Organizations, Society	Text and Reading 13		Team IS Project
15	Final Exam			



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Lab Schedule

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**Management Information Systems**

Week Number	Outcome/Material Covered (Lecture / Lab)	Reference/ Reading	Assignment	Due Date
1	Case Introduction – Analysis Methodology	Handout	Case 1	
2	Team IS Project Introduction – Systems Development Life Cycle: Project Methodology	Handout	Team IS Project	
3	Case 1 Presentation, Analysis and Debrief		Case 2	Case 1
4	Team IS Project – Introduction to Accounting Systems	Hand-on Exercise		Project Proposal
5	Case 2 Presentation, Analysis and Debrief		Case 3	Case 2
6	Team IS Project – The Role of Spreadsheets in Accounting Systems	Hand-on Exercise		
7	Case 3 Presentation, Analysis and Debrief		Case 4	Case 3
8	Midterm Exam			
9	Team IS Project – The Role of Database Management Systems in Accounting Systems	Hand-on Exercise		Project Review
10	Case 4 Presentation, Analysis and Debrief		Case 5	Case 4
11	Team IS Project – The Role of Database Management Systems in Accounting Systems	Hand-on Exercise		
12	Case 5 Presentation, Analysis and Debrief			Case 5
13	Team IS Project – The Role of the Internet in Accounting Systems	Hand-on Exercise		
14	Team IS Project – Final Presentations			Team IS Project
15	Final Exam			

## FMGT 7710 – Reading List

<b>Week</b>	<b>Topics from Textbook</b>	<b>Articles (provided in reading package)</b>
1	Introduction (pages 1-32), Legacy Systems, Mainframe & Mini Computers, Incompatibility, Open Systems	Paradigm Shift, Tapscott and Caston, excerpt
2	Application Software and Development, CPU, Backbone Network, Bandwidth, Client-Server Systems, Connectivity, Network	TBA
3	Chief Information Officer, Costs of IT, Productivity Paradox, Outsourcing	How Information Gives You Competitive Advantage, Porter and Millar, HBR Reprint
4	Decision Support System, Executive Information System	No Excuses Management, HBR Reprint
5	Architecture, ANSI, Data Communications, DBMS, Distributed Systems, LAN, Standards, Telecommunications	Information Architecture: In Search of Efficient Flexibility, Alien and Boynton, MIS Quarterly
6	ATM, Connectivity, Cooperative Processing, EDI, EFT, OSI	Electronic Commerce Reading List, Ho, On-line Directory on the Internet
7	Electronic Mail, Information Superhighway, Internet, SmartCard	Managing in Marketspace, Rayport and Sviokla, HBR Reprint
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9	Artificial Intelligence, Expert systems, GPS, GroupWare, Image, Neural Networks	TBA
10	Hand-Held Computer, Mobile Computing, Notebook Computers, PCS, Satellite Communications	From Here to Mobility, Reinhardt, BYTE Magazine
11		TBA
12	Chargeout and Allocation, Business Process Reengineering, CASE, Costs of IT, Data Centre	TBA
13	CIO, End-user Computing, Forecasting IT Trends, MIS, Network Management	The Value of Strategic IS Planning, Henderson and Sifonis, MIS Quarterly
14		TBA