



SEP 26 2002

**BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY School of Business**

<b>COURSE OUTLINE FOR:</b> <b>Computer Applications 2</b>	<b>DATE: January 7, 2002</b> <b>FMGT 4710 – Term A &amp; B</b>
<b>TAUGHT BY:</b> Financial Management	
<b>TAUGHT TO:</b> Financial Management	
<b>Program:</b> Financial Management <b>Option:</b> Financial Management Sets	

<b>Hours/Week:</b>		<b>Total Hours:</b>		<b>Term/Level:</b>	
<b>Lecture:</b>	2	20		4 A&B	
<b>Lab:</b>	3	60			
<b>Other:</b>		<b>Total Weeks:</b> 20		<b>Credits:</b> 5.5	

<b>Instructors:</b>	Carol Edwards	Jean Virginillo	Noel Brennan
<b>Office No.</b>	SE6-379		SE6-335
<b>Office Hours:</b>	As Posted		As Posted
<b>Phone No.</b>	451-6751		451-6793

<b>Course Intranet Site:</b>	BCIT – J:\OUT and I:\IN – FMGT 4710 folders
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<b>Pre-requisites:</b> Successful completion of FMGT 3720
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**Course Description and Goals:**

A continuation of the work begun in FMGT 3720, the aim of this course is to demonstrate how Excel spreadsheet skills may be applied in a financial modeling situation. Upon completion of this course, students should:

- Understand how to design spreadsheet based computer models which are dynamic and interactive.
- Understand and be able to develop computer models for analyzing and thinking about a variety of financial and accounting problems.

**Required Text & Tools:**

Reference Only: *Canadian Financial Management* by Davis and Pinches and Canadian Securities Texts, especially Volume II.

It is strongly recommended that students have access to a reference text on Excel and private access to a PC to do homework assignments.

**Prior Learning Assessment Method:**

None.



## Course Learning Outcomes:

This course builds upon the fundamentals of Excel learned at BCIT and on the students' Finance and Accounting courses. It does so by approaching the subject of computer modeling from the perspective of an analyst who wishes to construct dynamic computer based models and scenarios which allow him/her to understand, and manipulate, the information associated with common financial and accounting problems. Rather than using the traditional lecture format, students will be expected to analyze various financial concepts and, on the basis of their analysis, construct spreadsheet models which allow them to test hypotheses, compare the performance of alternative options under various scenarios and provide detailed information for the decision making process. In their projects, students will be expected to design working spreadsheet models based on a problem typically encountered in the assigned topic.

Quizzes will be open book, meaning students are expected to have an in-depth understanding of the materials and be able to cope with case based questions.

At the end of the course, students will be expected to:

- Understand how to use a spreadsheet in computer modeling.
- Be capable of designing interactive and dynamic spreadsheet models based on common financial and accounting problems.
- Learn how to provide managers, clients and colleagues with models which allow the testing of hypotheses and which allow the user to compare the performance of alternatives under various scenarios and which provide detailed information for the decision making process.
- Be able to analyze and evaluate various opportunities using those models.

## Learning and Teaching Approaches:

- The course will take a hands-on approach to spreadsheet modeling, with students expected to design, and develop, financial models on the basis of information presented to them in a case format. They will be marked on the ability of their model to generate the expected outcomes from inputs supplied by their lab instructor.
- Students will complete seven mini-projects and one assignment. As well, there will be four quizzes, which will require the students, in the lab, under test conditions, to work with Excel and demonstrate a proficiency with the program and financial modelling.



### Student Assessment:

A high standard of work is expected from students in this course. All assigned work, including quizzes, must be submitted for grading or else a zero grade will be assigned.

<u>Method</u>	<u>Number</u>	<u>Weight</u>
Quizzes	4	16%
Mini-Projects	7	77%
Assignment	1	7%

**Note: The quizzes and projects are equally weighted.**

### Course Policies

All assigned work must be received by the required date and time. Late work will not be accepted.

All project, assignment and quiz procedures will be posted on the OUT drive in a folder which has been labelled **FMGT 4710**.

Any changes to the course will be placed in a sub-folder of the main FMGT 4710 folder. It will be called ANNOUNCEMENTS.

***All students are responsible for keeping up-to-date on all items posted to the FMGT 4710 folder and sub-folders. You may not use, "I didn't see it in the folder," as an excuse for anything which may go wrong in the course.***

### Course Record:

Developed by: Carol Edwards Date: January 7, 2002  
Instructor

Approved by:  Date: January 7, 2002  
Associate Dean



(Please note this program is subject to change at the discretion of the instructor.)

Week	Coverage	Tasks	Quiz
01-01		No lecture scheduled; thus, no labs	
01-07	Intro Model Design <b>Assignment</b>	Course outline and introduction to course requirements. Develop familiarity with the rules of spreadsheet design, Part I Assignment uploaded to Shareout by Friday, January 11 <sup>th</sup>	
01-14	Model Design	Develop familiarity with the rules of spreadsheet design, Part II	
01-21	Model Design	Develop familiarity with the rules of spreadsheet design, Part III	
01-28	<b>Project #1</b>	Hand-in Assignment / Project #1, assigned	
02-04	Discussion	Project #1, continued	Quiz 1
02-11	<b>Project #2</b>	Hand-in Project #1 / Project #2, assigned	
02-18	Discussion	Project #2, continued	
02-25	<b>Project #3</b>	Hand-in Project #2, Project #3, assigned	Quiz 2
03-04	Discussion	Project #3, continued	
03-11	Spring Break		
03-18	<b>Project #4</b>	Hand-in Project #3/Project #4, assigned	
03-25	Discussion	Project #4, continued	
04-01	<b>Project #5</b>	Hand-in Project #4 / Project #5, assigned	
04-08	Discussion	Project #5, continued	Quiz 3
04-15	<b>Project # 6</b>	Hand-in Project #5/ Project #6, assigned	
04-22	Discussion	Project #6, continued	
04-29	<b>Project # 7</b>	Hand-in Project #6 / Project #7, assigned	
05-06	Discussion	Project #7, continued	Quiz 4
05-13	De-Brief	Hand-in Project #7	
05-20	Exam Week	Victoria Day, May 20 <sup>th</sup> – BCIT closed	

**Notes:** All quizzes will be given in your 1<sup>st</sup> lab of the calendar week.

The projects and the assignment **must** be handed-in by Thursday at noon of the week the work is due. You will hand-in your work electronically to the FMGT 4710 folder on I:\IN.

- You are responsible for checking the FMGT 4710 folder on J:\OUT for any announcements regarding your homework before you hand it in. If there are any announcements regarding the homework they will be posted by Wednesday at noon of the week the work is due.

You **must** use the following instructions for naming your homework files for hand-in:

Set # Last Name Last Name Last Name (group members).

For example John Yin, Mary Smith and Sally Jones are in Set M. Their electronic homework would be named:

**M Yin Smith Jones**

If you do not follow this naming convention, you will lose 10% of the assignment's worth.