



Business Administration

Course Number:	BUAD 354
Course Title:	Financial Modelling for Equity Analysis and Valuation
Credits:	3
Calendar Description:	This hands-on course builds proficiency in analyzing and interpreting published financial statements, and building comprehensive financial models to facilitate investment decisions. Through modelling a number of case companies and interpreting the results, the course presents a balance of theoretical foundations and practical applications.
Semester and Year:	FALL 2021
Prerequisite(s):	BUAD 128, BUAD 195, BUAD 296
Corequisite(s):	No
Prerequisite to:	BUAD 461
Final Exam:	Yes
Hours per week:	3
Graduation Requirement:	Elective – BBA, Finance
Substitutable Courses:	No
Transfer Credit:	N/A
Special Notes:	Formerly Special Topics BUAD 361
Originally Developed:	2018
EDCO Approval:	May 6, 2021

Chair's Approval:

A handwritten signature in black ink, appearing to read "Hempel".

Professors

Name	Office	Email
<i>Elena Mitropolsky, CFA</i>	C143	emitropolsky@okanagan.bc.ca

Learning Outcomes

Upon completion of this course students will be able to

- Analyze published financial statements of a going concern for multiple objectives (equity and creditworthiness analysis)
- Generate financial forecasts
- Value a variety of corporate entities using relative and intrinsic valuation approaches and techniques
- Build fully integrated financial models with high quality standards and output clarity
- Perform sensitivity analysis and stress-testing under different economic scenarios

Course Objectives

This course will cover the following content:

- See weekly schedule

Evaluation Procedure

Exams (3)	90%
Term work	10%
Total	100%

Notes

Class is taught Wednesdays 6:30 – 9:20 pm, in Room E415 Working knowledge of Excel is required. In order to pass this course, the student must obtain a weighted average of 50% or higher on all 3 exams.

Course Format

The class will be Excel-based, and students will be building models in class by moving along with the instructor, through interactive lectures and hands-on modelling exercises. The course consists of 3 distinct modules: 1. Financial Statement Analysis; 2. Forecasting, and 3. Valuation. The course includes in-class discussions, modelling exercises and computer-based exams. We will be building a financial model from scratch for the duration of the course utilizing all three modules.

Required Texts/Resources

1. Investment Banking: Valuation, Leveraged buyouts, and Mergers & Acquisitions, 2nd edition (university edition), J. Rosenbaum & J. Pearl, Wiley.

A free e-book is also available through the Library

Link: <https://ebookcentral.proquest.com/lib/okanagan-ebooks/detail.action?docID=1211892>

2. Valuation, 7th edition, Measuring and Managing the Value of Companies, Koller, Goedhart, Wessels, McKinsey and Company, Wiley

A free e-book is also available through the Library

Link: <https://ebookcentral.proquest.com/lib/okanagan-ebooks/detail.action?docID=6207783>

Other required materials will be posted on Moodle

Course Schedule

Date		Topic
2021 Week of:		Classes Start: Wednesday, September 8 STAT Thursday, September 30 STAT Monday, October 11 STAT Thursday, November 11 & 12 Last day of regularly scheduled Classes: Monday, December 6
Sep	6	Introduction Key modelling structures Best practices of financial modelling Review of basic accounting and finance concepts The structure and content of published financial statements and reports
	13	Start building a model from scratch Financial Statements Analysis: Income Statement Sales and related costs/accrual accounting Different measures of earnings: EBITDA/EBIT/Net Income/EPS Adjusting the income statement
	20	Financial Statements Analysis: Balance Sheet Working capital and net/operating working capital Account analysis using BASE Fixed assets, capital expenditure and depreciation Intangible assets, acquisitions and amortization
	27	Financial Statements Analysis: Balance Sheet Net debt analysis Common equity analysis ROE and ROA, Dupont analysis
Oct	4	Financial Statements Analysis: Cash flow statement Key links between the financial statements Assets sales and impairments/restructuring Impact of taxes: current and deferred
	11	Exam 1
	18	Forecasting: income statement construction How to generate assumptions Forecasting: Balance sheet construction Construction of Cash Flow statement
	25	Forecasting: Bringing all 3 statements together Modelling cash and revolving debt Dealing with Circularity and iterations
Nov	1	Finish building a financial model from scratch
	8	Exam 2
	15	Introduction to Valuation and overview of overview of the major valuation methods such as relative valuation and discounted cash flow valuation Enterprise versus equity value Relative valuation Perform relative valuation from scratch
	22	Concept of free cash flows (FCF) and discounted cash flow (DCF) valuation Modelling FCF from the 3 forecasted statements Modelling weighted average cost of capital (WACC) Calculating the terminal value Perform DCF valuation from scratch
	29	Review Working with integrated model
		Final Exam (Exam 3)

This schedule is subject to change at the discretion of the instructor

SKILLS ACROSS THE BUSINESS CURRICULUM

The Okanagan School of Business promotes core skills across the curriculum. These skills include reading, written and oral communications, computers, small business, and academic standards of ethics, honesty and integrity.

STUDENT CONDUCT AND ACADEMIC HONESTY

What is the Disruption of Instructional Activities?

At Okanagan College (OC), disruption of instructional activities includes student “conduct which interferes with examinations, lectures, seminars, tutorials, group meetings, other related activities, and with students using the study facilities of OC”, as well as conduct that leads to property damage, assault, discrimination, harassment and fraud. Penalties for disruption of instructional activities include a range of sanctions from a warning and/or a failing grade on an assignment, examination or course to suspension from OC.

What is Cheating?

“Cheating includes but is not limited to dishonest or attempted dishonest conduct during tests or examinations in which the use is made of books, notes, diagrams or other aids excluding those authorized by the examiner. It includes communicating with others for the purpose of obtaining information, copying from the work of others and purposely exposing or conveying information to other students who are taking the test or examination.”

Students must submit independently written work. Students may not write joint or collaborative assignments with other students unless the instructor approves it in advance as a group/team project. Students who share their work with other students are equally involved in cheating.

What is Plagiarism?

Plagiarism is defined as “the presentation of another person’s work or ideas without proper or complete acknowledgement.” It is the serious academic offence of reproducing someone else’s work, including words, ideas and media, without permission for course credit towards a certificate, diploma, degree and/or professional designation. The defining characteristic is that the work is not yours.

“Intentional plagiarism is the deliberate presentation of another’s work or ideas as one’s own.” Intentional plagiarism can be a copy of material from a journal article, a book chapter, data from the Internet, another student, work submitted for credit in another course or from other sources.

“Unintentional plagiarism is the inadvertent presentation of another’s work or ideas without proper acknowledgement because of poor or inadequate practices. Unintentional plagiarism is a failure of scholarship; intentional plagiarism is an act of deceit.”

What are the Students’ Responsibilities to Avoid Plagiarism?

Students have a responsibility to read the OC Plagiarism Policy and Procedures outlined in the OC calendar, which is available in online format www.okanagan.bc.ca. Students must acknowledge the sources of information used on all their assignments. This usually involves putting the authors’ name and the year of publication in parentheses after the sentence in which you used the material, then at the end of your paper, writing out the complete references in a Reference section.

“Students are responsible for learning and applying the proper scholarly practices for acknowledging the work and ideas of others. Students who are unsure of what constitutes plagiarism should refer to the UBC publication “*Plagiarism Avoided; Taking Responsibility for your Work*”. This guide is available in OC bookstores and libraries.

Students are expected to understand research and writing techniques and documentation styles. The Okanagan School of Business requires the use of the APA or MLA style, but suggests that students cite references using the APA guidelines (see Publication Manual of the American Psychological Association, 7th edition (2019)). A copy of the APA manual is available in the reference section and also available for circulation from OC libraries. The library website has access to these two major citing styles.

What are the Penalties for Plagiarism and Cheating?

The Okanagan School of Business does not tolerate plagiarism or cheating. All professors actively check for plagiarism and cheating and the Okanagan School of Business subscribes to an electronic plagiarism detection service. All incidents of plagiarism or cheating are reported and result in a formal letter of reprimand outlining the nature of the infraction, the evidence and the penalty. The Dean of the Okanagan School of Business and the Registrar record and monitor all instances of plagiarism and cheating. Penalties for plagiarism and cheating reflect the seriousness and circumstances of the offence and the range of penalties includes suspension from OC.