

## Financial Analysis: Case studies in Asia

## Section 1

Instructor	Sheng-Ping Yang
Office/Building	Main Building
Office Hours	By appointment and to be determined after class begins

## 【Course Outline / Description】

This course focuses on using Microsoft Excel to conduct a wide range of financial analysis that reinforces and extends students' understanding of fundamental topics in finance. The course concentrates on key topics in corporate finance in which students work directly in Excel to explore most of the powerful features of Excel spreadsheet.

## Section 2

## 【Course Objectives/Goals/Learning Outcomes】

Upon successful completion of the course, students should be able to:

1. Understand how to use Microsoft Excel with a level of proficiency for financial analysis.
2. Know how to compose complex formulas and use the main financial functions in Excel.
3. Know how to properly employ layout and visual enhancement tools in Excel to produce spreadsheets that are professional in appearance.
4. Create a spreadsheet model for the basic financial statements, a cash budget, time value of money problems, an interactive amortization table, a financial forecasting, and capital budgeting decision.

## Section 3

## 【Class Schedule/Class Environment, Literature and Materials】

Lesson	Date	Schedule of Instruction	Work outside of classroom activities
1	1/26	Introduction to the course	
2	1/31	Introduction to Excel	In-class Exercise: Chapter 1
3	2/2	The Basic Financial Statement 1	Homework: Internet Exercise p. 43
4	2/7	The Basic Financial Statement 2	In-class Exercise: Chapter 2
5	2/9	Financial Statement Analysis Tools 1	Homework: Internet Exercise p. 73
6	2/14	Financial Statement Analysis Tools 2	In-class Exercise: Chapter 3
7	2/16	The Cash Budget 1	Homework: Internet Exercise P. 110
8	2/21	The Cash Budget 2	In-class Exercise: Chapter 4
9	2/28	Financial Statement Forecasting 1	Homework: Problem 2 pp. 143-144
10	3/2	Financial Statement Forecasting 2	In-class Exercise: Chapter 5
11	3/7	Break-Even and Leverage Analysis 1	Homework: Internet Exercise 2 p. 177
12	3/9	Break-Even and Leverage Analysis 2	In-class Exercise: Chapter 7
13	3/14	Review for Midterm Exam	Homework: Internet Exercise p. 228
14	3/16	Midterm Exam	
		Spring Break (March 18-26)	
15	3/28	The Time Value of Money 1	
16	3/30	The Time Value of Money 2	
17	4/4	The Time Value of Money 3	In-class Exercise: Chapter 8
18	4/6	Common Stock Valuation 1	Homework: Problem 2 p. 259
19	4/11	Common Stock Valuation 2	

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20	4/13	Common Stock Valuation 3	In-class Exercise: Chapter 9
21	4/18	Bond Valuation 1	Homework: Internet Exercise p. 299
22	4/20	Bond Valuation 2	
23	4/25	Bond Valuation 3	In-class Exercise: Chapter 10
24	4/27	The Cost of Capital 1	Homework: Internet Exercise p. 339
25	5/2	The Cost of Capital 2	In-class Exercise: Chapter 11
26	5/9	Forecasting Sales with Time Series Methods 1	Homework: Internet Exercise p. 365
27	5/11	Forecasting Sales with Time Series Methods 2	
28	5/16	Forecasting Sales with Time Series Methods 3	In-class Exercise: Chapter 6
29	5/18	Review for Final Exam	Homework: Internet Exercise p. 207
30	5/22-	Final Exam	

### 【Textbooks/Reading Materials】

Financial Analysis with Microsoft Excel 9th ed. by Timothy Mayes; ISBN-13: 978-0357442050

You can purchase an eBook following the details in this video

<https://play.vidyard.com/kmAKwSRfLxpnke9T4fZ17b>

Microsoft Excel 2013, 2016, 2019, or 365 Paid Subscription

Version 2019 (included also in 365) is the current version, but if you are using anything back to version 2010 it shouldn't be a problem. The best option is to get a subscription to Office 365

### Section 4

#### 【Learning Assessments/Grading Rubric】

In-class Exercise 20%

Homework 20%

Midterm Exam 30%

Final Exam 30%

• **IN-CLASS EXERCISE.** Class will proceed through a step-by-step exercise on Excel for each chapter. Students are expected to submit the completed exercise upon completion of the chapter.

**HOMEWORK.** Students are expected to complete and submit a case study assigned from each chapter. Assignments are due in the following class after completion of the chapter.

**EXAM.** There will be two exams, a midterm and a final exam. The form of the exam will be multiple choice and problems on Excel.

### Section 5

#### 【Additional Information】

- Students are expected to attend class and participate in class discussion.
- Students are expected to conduct themselves according to the highest standards of academic honesty.
- Students are expected to submit all exercises and homework assignments and take

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exams by the scheduled time.