National Tsing Hua University
Department of Quantitative Finance
Undergraduate Program – Corporate Finance

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Management

Course Syllabus
Corporate Finance

Course Description

本課程探討財務管理後半內容,包含效率市場、資本結構、有舉債情況下的資本預算、股利政策、營運資金管理與短期融資。第二部份為財務專題,包含企業購併、破產重整。同學將藉由本課程,深入瞭解公司融資與籌資決策與財務操作背後意涵,更甚於財管課程。

Key words: 資本結構、資本預算、股利政策、企業購併、公司理財

Required Textbook & Materials

Text Book

> Ross, S.A., R.W. Westerfield, J.F. Jaffe and B.D. Jordan, *Corporate Finance*, 13th ed., McGraw-Hill, 2022.（華泰代理）

Evaluation

Mid-term Exam	35%
Final Exam	35%
Case Study (1 case)	10%
AI Exercise (1 cases)	10% 團隊競賽(共筆)
Class Discussion and Homework Assignments	10% (60分起,上課回答一次+5

分上限+20分; 上傳一條共筆+2分,上限+20分)

About AI Exercise

預計將學生分為兩組製作小GPTs,期末公開展示,兩組針對對方GPTs進行提問,由老師判斷哪組的AI回答的金融知識比較好,給予一個分數。提問內容包括兩類:課堂專業知識與進階專業知識,但不包含新聞知識。訓練AI進行期間為14週。

運作邏輯:蔡老師使用ChatGPT最新發布的GPTs功能,可自建專屬的小GPTs,同時建立外部連結,讓小GPTs讀取外部資料庫(即同學的共筆),增加小GPTs回答課程資訊之正確性,以期達到補充ChatGPT於課堂運用的目的。

1. 學號單號:A組機器人 https://chat.openai.com/g/g-IeomWRx9J-gong-si-li-cai-ji-qi-ren-azu

2. 學號雙號:B組機器人 https://chat.openai.com/g/g-O96Z5M7SY-gong-si-li-cai-ji-qi-ren-bzu

會e-mail提供各組的共筆資料庫輸入連結。

Course Work

The course is based on lectures. You can download the lectures from eeClass https://eeclass.nthu.edu.tw/ . Lectures will be distributed on the website several days before the class.

Course Schedule

Part	Week	Date	Topic	Notice
I. Overview	1	02/19	Introduction to Corporate Finance	
II. Capital Structure and Valuation	2	02/26	Efficient Market	
	3	03/04	Capital Structure: Basic concept	
	4	03/11	Capital Structure: Basic concept	
	5	03/18	Capital Structure: Limits to the Use of Debt	
	6	03/25	Capital Structure: Limits to the Use of Debt	
	7	04/01	Valuation and Capital Budgeting for the Levered Firm	
III. Dividend Policy and Short-term Financing	8	04/08	Valuation and Capital Budgeting for the Levered Firm	
	9	04/15	**Mid-term Exam**	期中考
	10	04/22	Valuation and Capital Budgeting for the Levered Firm	
	11	04/29	Dividends and Other Payouts	
	12	05/06	Dividends and Other Payouts	
	13	05/13	Issuing Securities to the Public	
	14	05/20	Merger and Acquisitions	檢測GPTs效能
	15	05/27	Short-term Financing	
	16	06/03	**Final Exam**	期末考

About Case study

Your team has to complete two cases. The issues are selected from "Mini Case" at the end of chapters in the text book. I will assign the chapters for each team in class.

Policy of using AI

No limitation in your learning, but you cannot use the AI in the personal exams.