



課 綱 Course Outline

中文課程名稱 Course Name in Chinese	企業財務決策				
英文課程名稱 Course Name in English	Investment Evaluation and Real Options				
科目代碼 Course Code	BM83200	班 別 Degree	<input type="checkbox"/> 學士班 Bachelor's <input type="checkbox"/> 碩專班 Master's program <input type="checkbox"/> 碩士班 Master's <input checked="" type="checkbox"/> 博士班 Ph.D.		
修別 Type	<input type="checkbox"/> 必修 Required <input checked="" type="checkbox"/> 選修 Elective <input type="checkbox"/> 學程 Program	學分數 Credit(s)	3	時數 Hour(s)	3
先修課程 Prerequisite	無/無須數學背景				
課程目標 Course Objectives	1. 財務工程與投資工程之連續時間模型進階數學修習 2. 隨機過程、隨機微分方程(一般解、特解)求解過程之學習 3. 資產價值/企業價值之評價 4. 衍生性金融商品與實質選擇權之介紹 5. 國際財務管理與國際投資之市場進入與退出策略評估數量模型構建 6. 賽局選擇權之發展與衡量				
系教育目標 Dept.'s Education Objectives	培養具國際企業知識之高階教育與實務經理人才。 Build a foundation of international business knowledge and practice to prepare students for being higher-level managers and educators.	培養創新與傑出之高階教育與實務經理人才。 Prepare students for being innovative and excellent higher-level managers and educators.	培養優秀國際服務業高階教育與實務經理人才。 Offer a program with an emphasis on proficiency in higher-level management and education of international service business.	培養在地經營理念之高階教育與實務經理人才。 Offer a program with an emphasis on higher-level management philosophy and education responsive to the Taiwanese business context.	
課程目標與系教育目標 相關性 Correlation between Course Objectives and Dept.'s Education Objectives	●	●	●	◎	
圖示說明 Illustration : ● 高度相關 Highly correlated ◎ 中度相關 Moderately correlated					

系專業(基本)能力 Basic Learning Outcomes	<p>A.具備國際企業理論與管理之進階知識。          Students will have advanced knowledge of international business theory and practice.</p> <p>B.具備多元邏輯思考、問題分析與解決之能力。          Students will be able to identify, analyze and solve business problems using logical and critical thinking.</p> <p>C.具備領導、溝通協調與團隊合作之能力。          Students will be able to demonstrate effective leadership, communication, coordination and teamwork skills.</p> <p>D.具備國際視野以及外語溝通的能力。          Students will be able to communicate in foreign languages and have an awareness of the global and cultural diversity issues.</p> <p>E.具備跨國企業高階實務經營管理之能力。          Students will be able to demonstrate higher-level managerial skills for international business.</p> <p>F.培養進階資訊科技運用之能力。          Students will be able to demonstrate proficiency in the use of advanced information technology.</p> <p>G.培養國際企業倫理之素養。          Students will be able to identify and understand the importance of ethical decision making for international business.</p>						
課程目標與系專業能力 相關性 Correlation between Course Objectives and Basic Learning Outcomes	A	B	C	D	E	F	G
	●	●	◎	●	◎	◎	◎
圖示說明 Illustration : ● 高度相關 Highly correlated ◎ 中度相關 Moderately correlated							

<p>課程大綱          Course Outline</p> <p><b>Part I: Basic Financial Mathematics</b></p> <ol style="list-style-type: none"> <li>1. A Paradigm for Primary Asset Valuation</li> <li>2. Complication of the Basic Paradigm</li> <li>3. The Valuation of Derivative Securities</li> <li>4. Optimal Decision Strategies and Valuation</li> </ol> <p><b>Part II: Advanced Investment Strategies</b></p> <ol style="list-style-type: none"> <li>1. Investment Opportunities and Investment Timing</li> <li>2. The Value of a Project and the Decision to Invest</li> <li>3. Entry, Exit, Lay-up, and Scrapping</li> <li>4. Dynamic Equilibrium in a Competitive Industry</li> </ol> <p><b>Part III: Introduction to Advanced Finance and the Mathematics of Continuous- Time Models</b></p> <ol style="list-style-type: none"> <li>1. Introduction to Portfolio Selection and Capital Market Theory</li> <li>2. Lifetime Portfolio Selection under Uncertainty</li> <li>3. Theory of Rational Option Pricing</li> </ol> <p><b>Part IV: International Financial and Investment Management</b></p> <ol style="list-style-type: none"> <li>1. Paper Reading/TBA</li> <li>2. Reporting and Term Paper Writing</li> </ol>
<p>資源需求評估 (師資專長之聘任、儀器設備的配合 . . . 等)          Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)</p>
<p>無</p>

課程要求和教學方式之建議

Course Requirements and Suggested Teaching Methods

- 依修課同學的背景，全程導讀與協助 term paper 撰寫
- 1-1 and step by step 協助學習投資評估認識與實質選擇權方法熟悉與應用
- 加強原理介紹由淺入深漸進學習

課程成績評定之依據和標準

Grading Criteria

- 出席率 20%
- 期中報告 30%
- 期末報告 50%

其他

Miscellaneous

課程大綱為暫訂/依修課同學組成彈性調整



國立東華大學  
教學計畫表 Syllabus

中文課程名稱 Course Name in Chinese	企業財務決策			學年/學期 Academic Year/Semester	
英文課程名稱 Course Name in English	Corporate Financial Decision			授課教師 Instructor	林達榮
科目代碼 Course Code	BM83200	系級 Department & Year	企管系 博士班 國企組	開課單位 Course-Offering Department	國際企業學 系
修別 Type	<input type="checkbox"/> 必修 Required <input checked="" type="checkbox"/> 選修 Elective <input type="checkbox"/> 學程 Program	學分數 Credit(s)	3	時數 Hour(s)	3
先修課程 Prerequisite	無				
課程描述 Course Description	<ul style="list-style-type: none"> <li>● 上課原則講解</li> <li>● Paper 導讀與討論</li> <li>● 模型演練與開發</li> </ul>				

課程目標 Course Objectives	<ul style="list-style-type: none"> <li>● 財務工程與投資工程之連續時間模型進階數學修習</li> <li>● 隨機過程、隨機微分方程(一般解、特解)求解過程之學習</li> <li>● 資產價值/企業價值之評價</li> <li>● 衍生性金融商品與實質選擇權之介紹</li> <li>● 國際財務管理與國際投資之市場進入與退出策略評估數量模型 構建</li> <li>● 賽局選擇權之發展與衡量學習國際企業管理相關基礎理論及實 務應用之方法</li> </ul>
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系專業(基本)能力 Basic Learning Outcomes	<p>A.具備國際企業理論與管理之進階知識。 Students will have advanced knowledge of international business theory and practice.</p> <p>B.具備多元邏輯思考、問題分析與解決之能力。 Students will be able to identify, analyze and solve business problems using logical and critical thinking.</p> <p>C.具備領導、溝通協調與團隊合作之能力。 Students will be able to demonstrate effective leadership, communication, coordination and teamwork skills.</p> <p>D.具備國際視野以及外語溝通的能力。 Students will be able to communicate in foreign languages and have an awareness of the global and cultural diversity issues.</p> <p>E.具備跨國企業高階實務經營管理之能力。 Students will be able to demonstrate higher-level managerial skills for international business.</p> <p>F.培養進階資訊科技運用之能力。 Students will be able to demonstrate proficiency in the use of advanced information technology.</p> <p>G.培養國際企業倫理之素養。 Students will be able to identify and understand the importance of ethical decision making for international business.</p>
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課程目標與系專業能力 相關性 Correlation between Course Objectives and Basic Learning Outcomes	A	B	C	D	E	F	G
	●	●	◎	●	◎	◎	◎

圖示說明 Illustration : ● 高度相關 Highly correlated ◎ 中度相關 Moderately correlated

### 授課進度表 Teaching Schedule & Content

週次 week	內容 (Subject/Topics)	備註 Remarks
1	● Introduction for Corporate Finance Decision (02/21)	教學大綱/課程進度說明
2	● No class (228 Peaceful Memo. Holiday) (02/28)	
3	● A Paradigm for Primary Asset Valuation (03/06)	
4	● Complication of the Basic Paradigm (03/13)	
5	● The Valuation of Derivative Securities (03/20)	
6	● Optimal Decision Strategies and Valuation (03/27)	
7	● Paper Reading (I) /TBA (04/03)	
8	● Paper Reading (II) /TBA (04/10)	
9	● Investment Opportunities and Investment Timing (04/17)	
10	● The Value of a Project and the Decision to Invest (04/24)	
11	● Entry, Exit, Lay-up, and Scrapping (05/01)	
12	● Dynamic Equilibrium in a Competitive Industry (05/08)	
13	● Paper Reading (III)/TBA (05/15)	

14	● Paper Reading (IV)/TBA (05/22)	
15	● Term Paper Discussion (I) (05/29)	
16	● Term Paper Discussion(II) (06/05)	
17	● Term Paper Report (I) (06/12)	
18	● Term Paper Report (II) (06/19)	
教學策略 Teaching Strategies	<input checked="" type="checkbox"/> 課堂講授 Lecture <input checked="" type="checkbox"/> 分組討論 Group Discussion <input type="checkbox"/> 參觀實習 Field Trip <input type="checkbox"/> 其他 Miscellaneous: _____	
學期成績計算方式 Grading	<input checked="" type="checkbox"/> 平時成績 General Performance:20% <input checked="" type="checkbox"/> 期中報告成績 Midterm Exam:30% <input checked="" type="checkbox"/> 期末報告成績 Final Exam:50% <input type="checkbox"/> 作業成績 Homework and/or Assignments: % <input type="checkbox"/> 其他 Miscellaneous: (_____) %	
教科書與參考書目 (書名、作者、書局、代理商、說明) Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.) <ul style="list-style-type: none"> <li>● 個人編修講義</li> <li>● Shimko, D.C. (1992), <i>Finance in Continuous Time: A Primer</i>, Florida: Kolb Pub. Co. (ISBN: 1878975072)</li> <li>● Merton, R.C. (1990), <i>Continuous-Time Finance, Massachusetts</i>: Blackwell Pub. (ISBN: 0631158472)</li> <li>● Dixit, A.V. and Pindyck, R.S. (1994), <i>Investment under Uncertainty</i>: New Jersey: Princeton Univ. Press. (ISBN:0691034109)</li> </ul>		
課程教材網址 (教師個人網址請列在本校內之網址) Teaching Aids & Teacher's Website (Personal website can be listed here.) <ul style="list-style-type: none"> <li>● <a href="http://faculty.ndhu.edu.tw/~tyrone/">http://faculty.ndhu.edu.tw/~tyrone/</a></li> </ul>		
備註： <ul style="list-style-type: none"> <li>● 依修課同學的背景，全程導讀與協助 term paper 撰寫</li> </ul>		