

國立政治大學 商學院

National Chengchi University
College of Commerce



金融學系 108學年度課程手冊

Department of Money and Banking
Curriculum Guide



AACSB
ACCREDITED



Introduction to the College of Commerce

The College of Commerce, National Chengchi University was established in 1958, and leads Taiwan in the development of advanced business administration programs with the best teachers and rigorous teaching and research spirit. It has cultivated elite talent for academic research and business administration with an equal emphasis on theory and practice, and has made significant contribution to the rapid development and transformation of Taiwan economy and society. The College of Commerce currently has eight departments and an independent graduate institute, three professional MBA programs and 16 college-level research centers. Key directions for future development include “FinTech and Innovation,” “Innovation, Entrepreneurship, and Organizational Innovation,” “Corporate Social Responsibility, Business Ethics, and Sustainable Development” and “IoT, Supply Chain, and e-Commerce Integration.”

Elite Teachers

The College of Commerce currently has 151 full-time teachers, 90% of which have a Ph.D. from a world class university. The outstanding research and academic performance of elite teachers have allowed numerous teachers to win academic research awards from the Ministry of Education (MOE) and the Ministry of Science and Technology (MOST), and hold important positions, such as the convener of a business related field under the MOST, or the editor-in-chief, vice editor-in-chief, and editor of a specific field, for TSSCI journals. Furthermore, many professors serve crucial roles in industry and government, including government officials, consultants, or committee members and company supervisors or directors.

Distinguished Alumni

Thanks to the rigorous professional training and cultivation by the College of Commerce, as well as the extraordinary performance of alumni in their professions, alumni of the College of Commerce have significant influence in industry, government, and academia. As a result, domestic industry has had a preference for graduates from the College of Commerce, including Chou Chun-Chi, Chairperson of Sinyi Realty Inc., Samuel Yin, Chairperson of Ruentex Financial Group, Song Wen-Chi, Former Chairperson of Taipei 101, Lin Hsin-I, Former Vice Premier, Lin I-Fu, Yin Chi-Ming, and Ho Mei-Yieh, Former Ministers of Economic Affairs, and Cheng Ting-Wang, Wu Si-Hua, and Edward Chow, Former Presidents of National Chengchi University are all alumni of the College of Commerce.

International Certification and Recognition

The College of Commerce, NCCU is the only college of commerce in Taiwan to pass all three international accreditations - AACSB, EQUIS, and AACSB Accounting. Only seven colleges of commerce worldwide have pass all three accreditations. This shows that the quality, learning resources, international development, and corporate cooperation of the College of Commerce, NCCU has widely gained international recognition. The College of Commerce became the 65th member of the Partnership in International Management (PIM) in October 2018. Members of the PIM include Cornell University Samuel Curtis Johnson Graduate School of Management, Imperial College Business, and National University of Singapore Business School, symbolizing that the level of internationalization at the College of Commerce, NCCU is on par with top tier colleges of commerce around the world.

Talent Cultivation and Industry-Academia Collaboration Project

The College of Commerce, NCCU closely works with the industrial sector and maintains good and close relationships with major corporations. This not only helps broaden students’ horizons, but also gives them an opportunity to apply what they learned in practice. It utilizes industry resources in course design, so that courses are closer to practice, or transforms a company's experience into a case study, which helps improve teaching quality. Teachers can also apply the case studies in their research to create greater academic capabilities.

To increase the depth of industry-academia collaboration, the College of Commerce established the [Cross Elite Company Platform] in 2015. Linking together benchmark enterprises in different industries around Taiwan through a membership. The “Horizon Broadening Forum” held each quarter gives teachers and students an opportunity to engage in in-depth interactions with the industrial sector, so that students will have a better grasp of corporate practices, while building a stronger partnership between the College of Commerce, NCCU and different companies.

Innovation in Teaching

The College of Commerce adopted the assurance of learning (AOL) assessment method in coordination with the Association to Advance Collegiate Schools of Business (AACSB), in order to maintain elite levels of the international accreditation. The College strengthens students’ core competencies, knowledge, and skills to ensure the learning effectiveness and quality assurance of higher education.

The College of Commerce, NCCU is always been a pioneer in the case study teaching method in Taiwan. It began to actively promote participatory teaching in 2005, and has selected over 50 seed instructors to participate in the Global Colloquium on Participant-Centered Learning (GloColl) in Harvard Business School. The College is promoting participatory teaching in courses, and hopes to inspire more creative ideas and diverse perspectives through active teacher-student interactions in class.

To train bilingual students with an expertise in international business administration, the College of Commerce, NCCU offered the first English Taught Program (ETP) in Taiwan in 2000. In response to trends and society's needs, the College offered numerous programs, such as the Supply Chain Management Credit Program, Big Data Analysis Program, and FinTech Expertise Program, to help cultivate experts in different fields for society.

International Exchange

The College of Commerce, NCCU has exerted great efforts in different aspects of internationalization, and established the Office of International Affairs in 1999 to actively promote international cooperation and exchange. At present, the College has 139 sister schools and recommends or is recommended over 500 exchange students from foreign universities every year. The College launched five dual degree programs with Purdue University in 2019, including IMBA, MBA, master's programs of the Department of Accounting and Department of Management Information Systems, and the Department of Finance.

The College is also actively promoting international academic exchange, and co-organizes international conferences with renowned universities in the Asia-Pacific, such as the Chinese University of Hong Kong and Nanyang Technological University. The College is also frequently visited by famous professors and journal editors from overseas. The College began co-organizing the “Cross-Strait Business School Academic Forum” with Sun Yat-Sen Business School, Renmin Business School, and Xiamen University School of Management in 2018. The four schools take turns hosting the forum, which will benefit long-term partnerships between the College and international academic institutions.

Introduction to the Department of Money and Banking

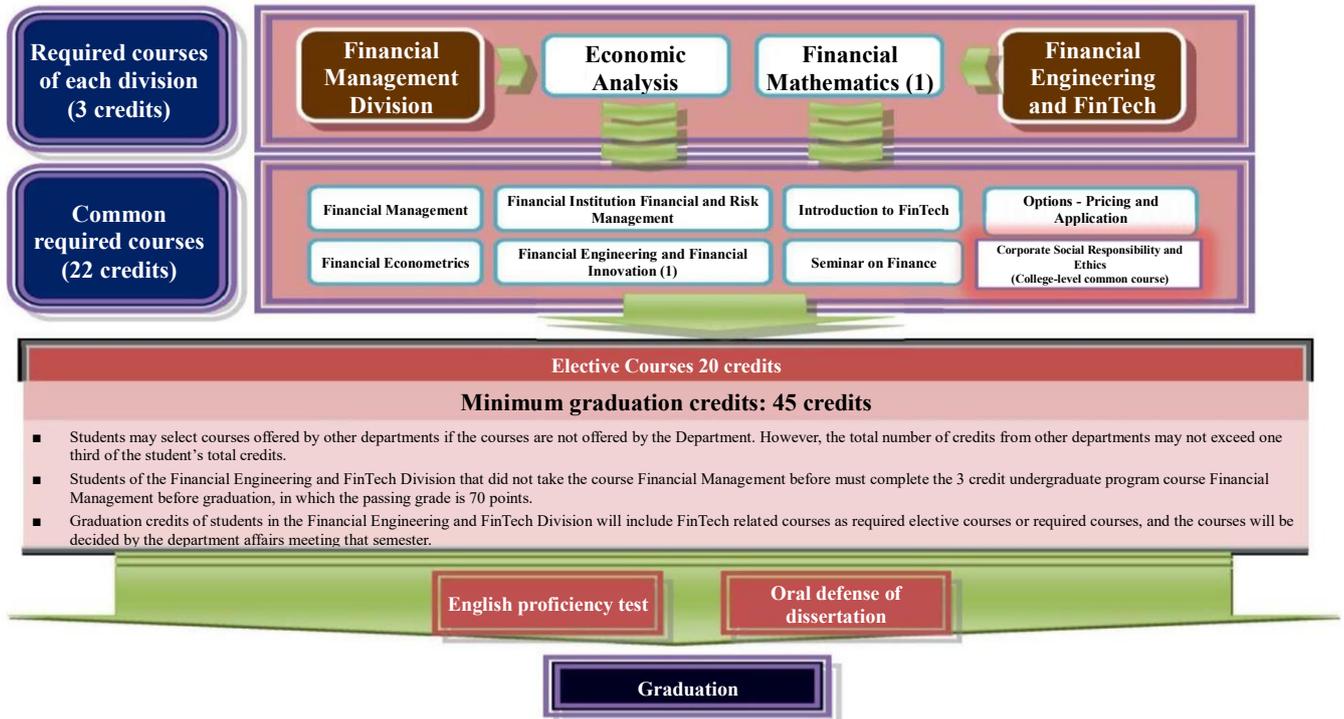
The Department was originally named the Department of Banking and was established in 1958. It is the first department in Taiwan to cultivate professional financial talent. Department chairs over the years include Professor Wang Mao-Ching, Professor Tung Hsiu-Ming, Professor Chang Chen-Fu, Professor Hou Chin-Ying, Professor You Kun-Min, Professor Yin Nai-Ping, Professor Chang Chun-Hsiung, Professor Chu Hao-Min, Professor Chen Song-Nan, Professor Li Tong-Hao, Professor Huo Te-Ming, Professor Shen Chung-Hua, Professor Chiang Yeong-Yuh, Professor Liao Szu-Lang, Professor Huang Tai-Hsin, and the current department chair is Lin Shih-Kuei.

The Department has over 2,000 alumni, in which roughly one third is in the financial industry, many are the president and vice president of banks, and over ten alumni are teaching in universities in Taiwan and overseas. A considerable number of alumni are high level managers in government or enterprises. Talent cultivated by the Department hold many important positions in society. The Department was renamed the Department of Money and Banking in 1996. The Graduate Institute of Finance's master's program was merged into the Department in August 1995. The doctoral program was added in academic year 1999 to cultivate high level research talent.

The Department of Money and Banking aims to cultivate professional financial talent, and courses place equal emphasis on theory and practice. In addition to basic courses, professional courses of the undergraduate program include economic theory, financial theory, financial systems and markets, financial institution management, and accounting and financial management. Master's program courses include financial economics, financial engineering and innovation, banking theory, monetary theory and policy, financial institution and risk management, and options.

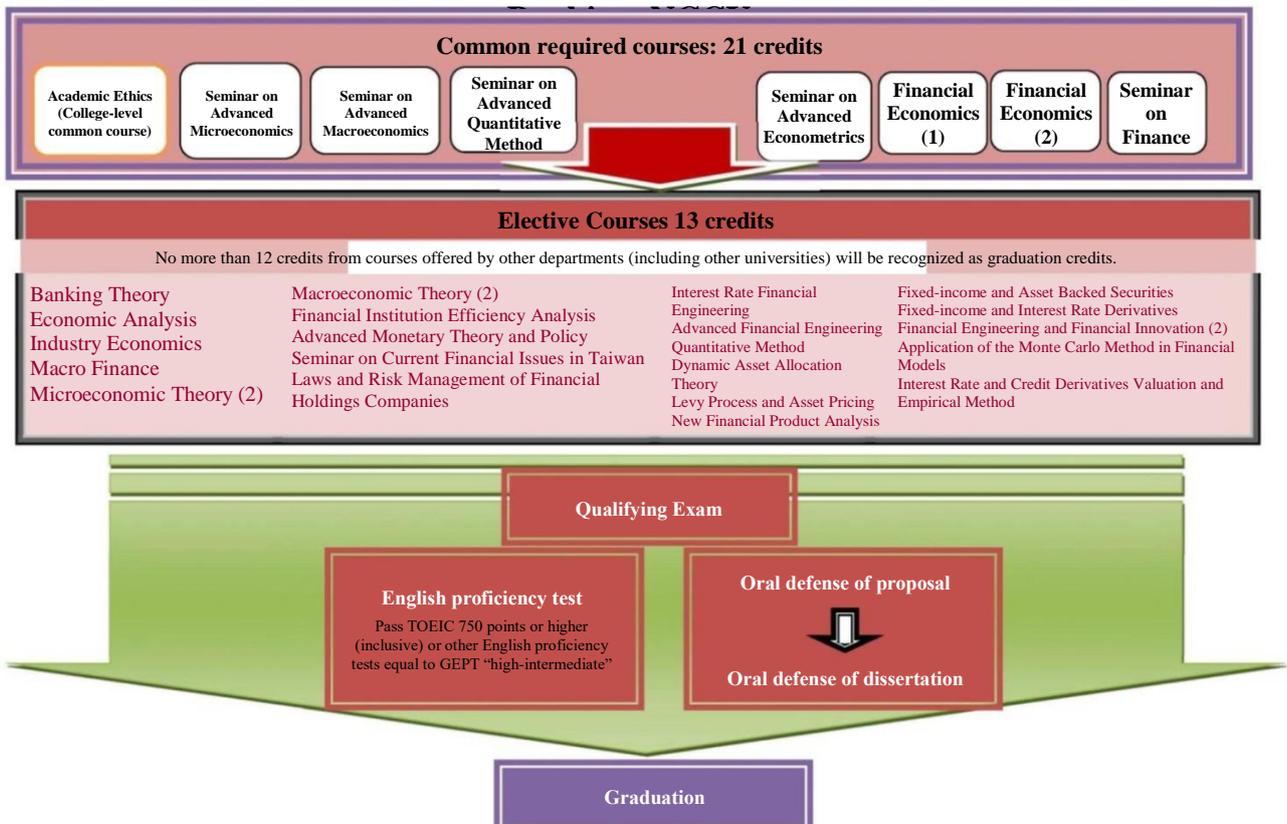
II. Master's Program

Curriculum Map of the Master's Program of the Department of Money and Banking, NCCU



III. Doctoral program

Curriculum Map of the Doctoral Program of the Department of Money and



C. Graduation requirements

I. Department of Money and Banking Undergraduate Program

Graduation credits	128 credits
Common required courses	Including general knowledge and physical education courses. 28 to 32 credits of general knowledge courses are required. Physical education courses are required for four semesters but count as zero credit.
Department-level Required Credits	59 credits
Elective Courses	37 to 41 credits
Qualifying Exam	Complete graduation credits

II. Department of Money and Banking Master's Program

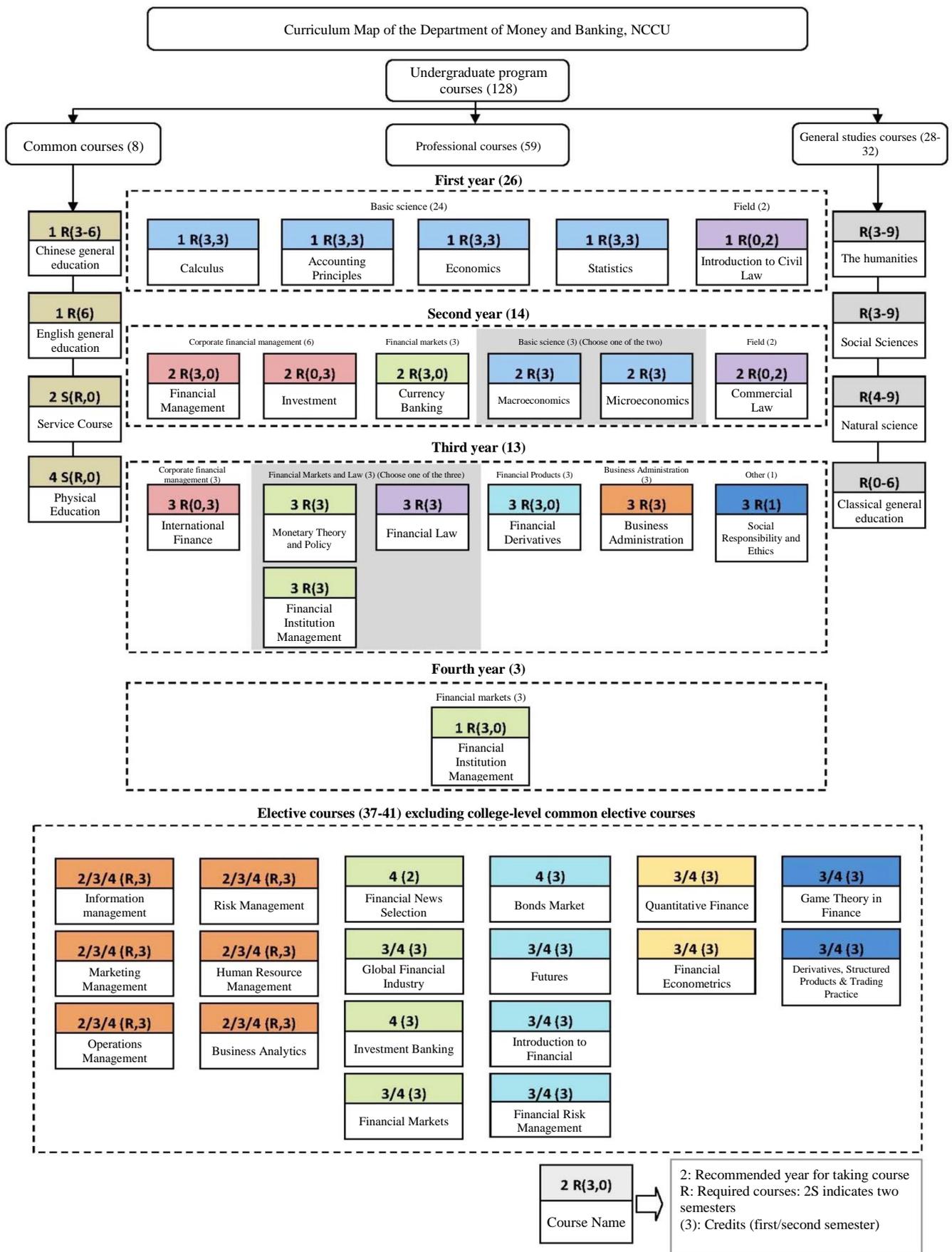
Graduation credits	45 credits
Required courses	25 credits
Elective Courses	20 credits (the total number of credits from other departments may not exceed one third of the student's total credits)
Qualifying Exam	<ol style="list-style-type: none">1. Complete graduation credits2. Graduation Dissertation3. Must pass GEPT High-intermediate, TOEFL CBT 550 points, TOEFL iBT 79-80 points, or TOEIC 750 points or above, or other levels specified by the Department.

III. Department of Money and Banking Doctoral Program

Graduation credits	34 credits
Required courses	21 credits
Elective Courses	13 credits (No more than 12 credits from courses offered by other departments (including other universities) will be recognized as graduation credits)
Qualifying Exam	<ol style="list-style-type: none">1. Complete graduation credits2. Qualifying Exam3. Doctoral dissertation4. English proficiency test (Please contact teaching assistant Liu at the department office)

B. Course Map

I. Undergraduate



D. Curriculum Planning

I. Department of Money and Banking Undergraduate Program

First semester of freshman year					Second semester of freshman year				
Course ID	Course Name	Class time (Temporary)	Credits	Estimated learning time outside of class each week	Course ID	Course Name	Class time (Temporary)	Credits	Estimated learning time outside of class each week
(Required course)	△※ Calculus	Wednesday 234	3	4 hours	(Two-semester Course)	△※ Calculus	Wednesday 234	3	4 hours
(Required course)	△※ Accounting Principles (1)	Tuesday 234	3	4.5-6 hours	(Two-semester Course)	△※ Accounting Principles (2)	Tuesday 234	3	4.5-6 hours
(Required course)	△※ Economics	Wednesday D56	3	3-6 hours	(Two-semester Course)	△※ Economics	Wednesday D56	3	3-6 hours
0003210-1 (Required course)	△※ Statistics ※ Introduction to Civil Law	Elective course Thursday 56	2	2-3 hours	0003210-1	△※ Statistics	Elective course		

※ Required courses © Elective Courses V Group courses △ Two-Semester Course

Note: The actual class schedule shall be based on the announcement by the Curriculum Section, Office of Academic Affairs.

First semester of sophomore year					Second semester of sophomore year				
Course ID	Course Name	Class time (Temporary)	Credits	Estimated learning time outside of class each week	Course ID	Course Name	Class time (Temporary)	Credits	Estimated learning time outside of class each week
	※ Macroeconomics ※ Microeconomics (Choose one of the two)	Elective course Elective course	3 3	4.5-6 hours		※ Macroeconomics ※ Microeconomics (Choose one of the two)	Elective course Elective course	3 3	4.5-6 hours
(Required course) 302833-011	※ Financial Management © Quantitative Finance	Thursday D56 Tuesday D56	3 3	0.5 Hour 5-8 hours	(Required course) (Required course) 300905-011	※ Investment ※ Commercial Law ※ Currency Banking	Monday D56 Thursday 34 Tuesday D56	3 2 3	5 Hour 1 Hour 3 hours
(Required course) 300905-001	※ Currency Banking ※ Currency Banking	Friday 234 Tuesday D56	3 3	3 hours 3 hours					

※ Required courses © Elective Courses V Group courses Δ Two-Semester Course

Note: The actual class schedule shall be based on the announcement by the Curriculum Section, Office of Academic Affairs.

302018001	Financial Institution Management	3 credits	Department of Money and Banking Fourth Year	3 hours
[Course Objectives]	The financial industry relies on the integration of financial knowledge to operate. Students accumulate a considerable amount of different knowledge and skills in the field of finance and business administration after three and a half years of study. This course will provide a learning platform for students to integrate and apply the knowledge they learned during the second semester of their senior year.			
[Course Contents]	(1) Financial Institution Management (2) Institutional Participants in the Financial Market (3) Financial Ethics			
[Remarks]				

000348-1	Business Administration	3 credits	Department of Money and Banking Third Year	3 hours
[Course Objectives]	(1) Introduction to basic concepts of business administration, and understand the nature, theories, and analysis tools for management. (2) Develop logical thinking ability and practical problem solving skills. (3) Broaden students' thinking and horizons through different case studies, and train their ability to come up with and implement creative plans. (4) Learn how to work in teams, give presentations, communicate, and other abilities needed by managers. (5) Apply management concepts and tools in daily life.			
[Course Contents]	This course will introduce important concepts and principles in management, so that beginners in management can understand basic knowledge and theories of management, the actual contents of management work in an organization, practical applications of personnel and organization management, the business environment and important management issues.			
[Remarks]	College of Commerce Undergraduate Program Common Courses			

305009-1	Human Resource Management	3 credits	Finance 1, 2, 3, 4	3 hours
[Course Objectives]	This course introduces the relationship between important functions, activities, and organizational strategies of human resource management. This course aims to help students understand basic concepts of human resource management, and trains students with skills for analyzing, managing, and resolving practical issues.			
[Course Contents]	Recruitment and screening, training development, performance management, and salary management.			
[Remarks]	College of Commerce Undergraduate Program Common Courses			

000350-1	Marketing Management	3 credits	Finance 1, 2, 3, 4	3 hours
[Course Objectives]	This course aims to let students understand the basic concepts, analysis tools, and strategy formulation involved in marketing management. It sets out from the perspective of management and emphasizes important theories, principles, or methods for the planning and implementation of product marketing. It strengthens students' understanding and familiarity with marketing tactics, and strengthens their marketing problem solving and decision-making abilities.			
[Course Contents]	(1) The Marketing Environment (2) Strategic Planning (3) Marketing Research (4) Consumer Market & Business Market (5) Market Segmentation, Targeting, and Positioning (6) Product Strategies (7) Pricing Strategies (8) Placing Strategies (9) Promotion Strategies			
[Remarks]	College of Commerce Undergraduate Program Common Courses			

300878001	Information management	3 credits	Finance 1, 2, 3, 4	3 hours
[Course Objectives]	This course covers both technical and managerial aspects of MIS. Major attention is given to the implications of information systems for achieving competitive advantage. The major objectives of this course revolve around helping the student:			

	<p>Become familiar with key concepts related to hardware, software, telecommunications, database systems, and systems development.</p> <p>Develop a clear understanding of the nature of the “digital economy”, and the impact of information technology in the global context..</p> <p>Be able to identify opportunities and risks associated with the use of the technology for a firm.</p>
[Course Contents]	<p>(I) Information Systems in Global Business Today</p> <p>(II) Global E-Business and Collaboration</p> <p>(III) Information Systems, Organizations, and Strategy</p> <p>(IV) Business model Innovation</p> <p>(V) IT Infrastructure and Emerging Technologies</p> <p>(VI) Business Intelligence</p> <p>(VII) Telecommunications, the Internet, and Wireless Technology</p> <p>(VIII) Securing Information Systems</p> <p>(IX) Operational Excellence and Customer Intimacy</p> <p>(X) E-Commerce: Digital Markets, Digital Goods</p> <p>(XI) Managing Knowledge</p> <p>(XII) Enhancing Decision Making</p> <p>(XIII) Building Information Systems</p> <p>(XIV) Social Computing and Cloud Computing</p> <p>(XV) Managing Global Systems</p> <p>(XVI) Cloud service and business innovation</p> <p>(XVII) Business Process Reengineering and Change Management</p>
[Remarks]	College of Commerce Undergraduate Program Common Courses

305037-1	Operations Management	3 credits	Finance 1, 2, 3, 4	3 hours
[Course Objectives]	<p>On completion of this course, students will be able to:</p> <p>(1) Understand the definition of operations management and establish the fundamental knowledge of operations management, e.g. strategy, forecasting, capacity management, and quality management.</p> <p>(2) Examine the role of operations in any organization and examine productivity and a system approach to analyzing operations problems.</p> <p>(3) Understand multiple analytical techniques and applications to develop business forecasts.</p> <p>(4) Identify the key components of product and service design, and the ways to improve reliability in design decisions.</p> <p>(5) Utilize various models and techniques to model complex production systems.</p> <p>(6) Identify the key variables that decision makers utilize in addressing the production (aggregate) planning.</p>			
[Course Contents]	<p>(1) Chain Management</p> <p>(2) Operations Strategy</p> <p>(3) Design of Products and Services, Design and Pricing</p> <p>(4) Strategic Capacity Management Decision Tree</p> <p>(5) Manufacturing Processes, Facility Layout</p> <p>(6) Service Processes</p> <p>(7) Six-Sigma Quality, Statistical Quality Control</p> <p>(8) Lean Supply Chains & Logistics</p> <p>(9) Global Sourcing and Procurement & Inventory Management</p>			
[Remarks]	College of Commerce Undergraduate Program Common Courses			

300922001	Risk Management	3 credits	Finance 1, 2, 3, 4	3 hours
[Course Objectives]	<p>The purpose of this course is to equip the students with a general framework for understanding the effects of risk, the tools and methods used to measure and manage risk, the process of making risk management decisions. Different from the Insurance Course, this course provides a broader knowledge in risk management while the field of insurance is also included. Some specific topics in risk management, such as derivatives or tax effects on risk management will be presented. Institutional details with emphasis on current practices in Taiwan will also be presented. Since the institutional details are constantly changing, our primary goal is to stimulate critical thinking and promote the development of problem solving skills to better prepare students for applying general concepts to new sets of problems, new types of risks, and new institutional structures.</p>			
[Course Contents]	<p>(1) Overview and Introduction</p> <p>(2) Risk and Its Management & Decision Making</p> <p>(3) Liability Insurance</p> <p>(4) Insolvencies, Solvency ratings and Solvency regulation</p> <p>(5) Risk Management in Financial Service Industry</p>			

	(6) Midterm (7) Reducing Risk through Hedging and Diversification (8) Loss Financing (9) Final Exam
[Remarks]	College of Commerce Undergraduate Program Common Courses

300878001	Information management	3 credits	Finance 1, 2, 3, 4	3 hours
[Course Objectives]	<p>This course covers both technical and managerial aspects of MIS. Major attention is given to the implications of information systems for achieving competitive advantage.</p> <p>The major objectives of this course revolve around helping the student:</p> <p>Become familiar with key concepts related to hardware, software, telecommunications, database systems, and systems development.</p> <p>Develop a clear understanding of the nature of the “digital economy”, and the impact of information technology in the global context..</p> <p>Be able to identify opportunities and risks associated with the use of the technology for a firm.</p>			
[Course Contents]	<ol style="list-style-type: none"> (1) Information Systems in Global Business Today (2) Global E-Business and Collaboration (3) Information Systems, Organizations, and Strategy (4) Business model Innovation (5) IT Infrastructure and Emerging Technologies (6) Business Intelligence (7) Telecommunications, the Internet, and Wireless Technology (8) Securing Information Systems (9) Operational Excellence and Customer Intimacy (10) E-Commerce: Digital Markets, Digital Goods (11) Managing Knowledge (12) Enhancing Decision Making (13) Building Information Systems (14) Social Computing and Cloud Computing (15) Managing Global Systems (16) Cloud service and business innovation (17) Business Process Reengineering and Change Management 			
[Remarks]	College of Commerce Undergraduate Program Common Courses			

300007001	Business Analytics	3 credits	Finance 1, 2, 3, 4	3 hours
[Course Objectives]	<ol style="list-style-type: none"> 1. Learn advanced statistical analysis techniques 2. Train the ability to analyze models 3. Discuss important marketing decision-making scenarios 4. Strengthen analysis results presentation and explanation ability 5. Cultivate marketing talent with strategic thinking 			
[Course Contents]	<p>This course develops students’ analysis abilities for marketing related decisions in two aspects. The first part focuses on developing students’ analysis techniques for solving practical marketing problems, such as: presentation of advanced commercial statistical methods and data analysis results. This training will help students become familiar with methods and improve their analysis efficiency without needing any programming knowledge. Afterwards, this course will introduce important scenarios for making marketing decisions through practical issues, including consumer demand forecast, market segment and target customer identification, design and planning of new product attributes, online purchasing behavior forecast, promotion budget distribution, and performance measurement. This part focuses on helping students integrate existing marketing management concepts, and determine how to apply different analysis methods in important scenarios for making marketing decisions.</p>			
[Remarks]				

300007001	Business Analytics: Marketing and Decision-making (Partially required)	3 credits	Departments in the College of Commerce	3 hours
[Course Objectives]	<ol style="list-style-type: none"> 1. Learn advanced statistical analysis techniques 2. Train the ability to analyze models 3. Discuss important marketing decision-making scenarios 4. Strengthen analysis results presentation and explanation ability 5. Cultivate marketing talent with strategic thinking 			

[Course Contents]	This course develops students' analysis abilities for marketing related decisions in two aspects. The first part focuses on developing students' analysis techniques for solving practical marketing problems, such as: presentation of advanced commercial statistical methods and data analysis results. This training will help students become familiar with methods and improve their analysis efficiency without needing any programming knowledge. Afterwards, this course will introduce important scenarios for making marketing decisions through practical issues, including consumer demand forecast, market segment and target customer identification, design and planning of new product attributes, online purchasing behavior forecast, promotion budget distribution, and performance measurement. This part focuses on helping students integrate existing marketing management concepts, and determine how to apply different analysis methods in important scenarios for making marketing decisions.
[Remarks]	Estimated learning time outside of class each week: 4 hours. College-level common elective course

30280001	Asset Management Strategy and Application	3 credits	Third and fourth year of undergraduate program, first and second year of master's program in money and banking	3 hours
[Course Objectives]	This course is offered in collaboration with Cathay SITE, and utilizes the professional experience of Cathay SITE's team to let students understand Taiwan's asset management market. The course discusses asset allocation, fund management and introduces ETF market makers, arbitrage, strategic trading, and global theme-based ETF development and AI trends. This course is a part of a series of courses that combine research on theories and practical operations.			
[Course Contents]	This course gives students a basic understanding of mutual funds/ETF, and helps students understand the current status and future development of the securities investment trust market. Financial managers are invited to share their experience and the lecturer leads course directions. Students work in groups on a project and learn about the financial market and explore their future possibilities for career development.			
[Remarks]				

30008001	Business Analytics: SAS/R Applications (Group)	3 credits	Departments in the College of Commerce	3 hours
[Course Objectives]	This course will introduce you to computing for business data analysis and visualization using a high-level language (e.g., R, SAS). In the final project, you'll apply your skills to interpret a real-world data set and make appropriate business strategy recommendations. Upon completion of this course, students should be able to think critically about data and apply standard statistical inference procedures to draw conclusions from such analyses. Prerequisite: Statistics.			
[Course Contents]	Topics include data management, exploring and visualizing data, EDA, loop and control statements, regression, GLM, principal components, bootstrapping, network analysis, text mining, and machine learning.			
[Remarks]	Estimated learning time outside of class each week: 4 hours. College-level common elective course			

(To be determined)	Seminar on ESG/Sustainable Finance and Investment	3 credits	First and second year of master's program in money and banking	3 credits
[Course Objectives]	To be determined			
[Course Contents]				
[Remarks]				

352846001	Financial Institution Efficiency Analysis	3 credits	Department of Money and Banking Master's Program, Doctoral Program	3 credits
[Course Objectives]	This is an advanced course that analyzes, estimates, and discusses the production efficiency and changes in productivity of a company on the basis of microeconomics and econometrics. Students will need to read literature and give reports, which will increase their understanding of how to apply theory to many empirical studies, and find potential topics for their thesis. The introductions of this course aim to raise students' interest in theories and applications of econometrics in companies.			
[Course Contents]	Learn quantitative methods often used in empirical analysis of efficiency and productivity in microeconomics.			

Practice operating package software.
 Become familiar with techniques for writing academic papers.
 Introduce the latest directions for empirical research related to microeconomics (industry) and financial institutions.
 Search for a potential thesis title.

[Remarks]

352050001	Financial Mathematics (1)	3 credits	Department of Money and Banking Master's Program, Doctoral Program	3 hours
[Course Objectives]	This course provides graduate students in financial engineering the required tools for advanced research in the valuation of derivatives. The subjects include probability theory, stochastic processes, stochastic calculus and their applications in the valuation of various derivatives.			
[Course Contents]	(1) Introduction (2) Probability theory (3) Probability theory (4) Information and filtered probability space (5) Conditional expectations (6) Brownian motion (7) First passage time (8) Stochastic calculus (9) to formula (10) Black-Scholes-Merton equation (11) Risk-neutral pricing Chapter 3: Forward Markets and Transaction Exchange Risk Chapter 4: The Balance of Payments Chapter 5: Exchange Rate Systems (2)International parity conditions and exchange rate determination Chapter 6: Interest Rate Parity Chapter 7: Speculation and Risk in the Foreign Exchange Market Chapter 8: Purchasing Power Parity and Real Exchange Rates Chapter 9: Measuring and Managing Real Exchange Risk Chapter 10: Exchange Rate Determination and Forecasting (3)International capital markets Chapter 11: International Debt Financing Chapter 12: International Equity Financing Chapter 13: International Capital Market Equilibrium Chapter 14: Political and Country Risk			
[Remarks]				

352847001	Interest Rate Financial Engineering	2 credits	Master's and doctoral programs in money and banking	2 hours
[Course Objectives]	This course mainly aims to help master's and doctoral students combine theory with practice in interest rate financial derivatives. With regard to theory, this course will introduce important interest rate theoretical models, and the characteristics, advantages, and disadvantages of the models.			
[Course Contents]	(1) Pricing conversion, probability measure conversion, and options pricing (Chapter 1) (2) Simple model for pricing conversion (Chapter 2), forward probability measure and bond pricing basis (Chapter 3) (3) Vasicek model (Chapter 4) (4) CIR model (Chapter 5) (5) BDT (Chapter 6) (6) Hull and White one-factor model (Chapter 7) (7) Hull and White two-factor model (Chapter 8), interest paying options (Chapter 9) (8) HJM interest rate model (Chapter 10) (9) LIBOR market model (Chapter 11) (10) Interest rate options pricing (Chapter 12) (11) Common financial derivatives (Chapter 13) (12) Quanto Caps/Floors, Quanto Swaps and Quanto CMS (Chapter 14) (13) Interest rate-linked swaption (Chapter 15) (14) LIBOR market model and special interest rate products: Monte Carlo Pricing (Chapter 16) (15) Longer interest rate model practices and common financial derivatives			

[Remarks]			
352045001	Seminar on Finance	3 credits	Department of Money and Banking Second Year 3 hours
[Course Objectives]	This course invites industry members to share their work experience with students. The list of speakers will be subsequently announced.		
[Course Contents]	Invite industry members to give speeches.		
[Remarks]			
300005-1	Corporate Social Responsibility and Ethics	1 credit	Department of Money and Banking Second Year 1 hour
[Course Objectives]	The course aims to help students determine and analyze value when facing various decisions via the discussion of corporate social responsibility and corporate sustainability issues, as well as learning basic academic ethics guidelines. This will develop future leaders and professional managers with ethical thinking and judgment and value sustainable development.		
[Course Contents]	This course is an integrated interdisciplinary course, and contents cover a variety of topics, including: Introduction to corporate social responsibility and ethical thinking, discussion of current events in corporate ethics, discussion and analysis ethics cases in the field of professional management, sustainability activities, and basic research ethics course.		
[Remarks]			
Elective course	Seminar on Advanced Microeconomics	3 credits	Department of Money and Banking Doctoral Program First Year 3 hours
[Course Objectives]	Please contact the Department of Economics.		
[Course Contents]			
[Remarks]			
Elective course	Seminar on Advanced Macroeconomics	3 credits	Department of Money and Banking Doctoral Program First Year 3 hours
[Course Objectives]	Please contact the Department of Economics.		
[Course Contents]			

III. Department of Money and Banking Doctoral Program Course Checklist

College of Commerce, National Chengchi University Department of Money and Banking Doctoral Program (34 graduation credits)							
Name: _____							
Student No.: _____							
College-level elective courses (0 credit)				Elective Courses in the Department			
Course Name	Credits	Score		Course Name	Credits	Score	
Academic Ethics	1	_____		1. _____			<input type="checkbox"/>
Institute-level Required Courses (9 credits)				2. _____			<input type="checkbox"/>
Course Name	Credits	Score		3. _____			<input type="checkbox"/>
Seminar on Advanced Microeconomics	3	_____	<input type="checkbox"/>	4. _____			<input type="checkbox"/>
Seminar on Advanced Macroeconomics	3	_____	<input type="checkbox"/>	5. _____			<input type="checkbox"/>
Seminar on Advanced Quantitative Method	3	_____	<input type="checkbox"/>	(Please add when necessary)			<input type="checkbox"/>
Financial Economics (1)	3	_____	<input type="checkbox"/>	Elective courses of other departments			
Financial Economics (2)	3	_____	<input type="checkbox"/>	Course Name	Credits	Score	
Seminar on Advanced Econometrics			<input type="checkbox"/>	1. _____			<input type="checkbox"/>
Seminar on Finance			<input type="checkbox"/>	2. _____			<input type="checkbox"/>
				3. _____			<input type="checkbox"/>
				4. _____			<input type="checkbox"/>
				(Please add when necessary)			

National Chengchi University College of Commerce Department of Money and Banking Study Plan

Doctoral program (Contents of the table may be added or deleted as needed)

Name: _____

Student No.: _____

First year

First Semester				Second Semester			
Course Name	Class time	Required/ Elective	Semester Credits	Course Name	Class time	Required/Elective	Semester Credits
_____	_____	Required <input type="checkbox"/> Elective <input type="checkbox"/>	_____	_____	_____	Required <input type="checkbox"/> Elective <input type="checkbox"/>	_____
-	-	Required <input type="checkbox"/> Elective <input type="checkbox"/>	_____	-	-	Required <input type="checkbox"/> Elective <input type="checkbox"/>	_____
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Total:							

College of Commerce Department of Money and Banking Teachers

Name	Title	Highest degree	Expertise	Department
Lin Shih-Kuei	Professor and Department Chair	National Chengchi University Ph.D. in Statistics	Financial Engineering, Financial Derivatives, Financial Econometrics	Department of Money and Banking
Chen Wei-Kuang	Professor	State University of New York Ph.D. in Economics	Financial Derivatives, Risk Management	Department of Money and Banking
Liao Szu-Lang	Professor	University of Chicago Ph.D. in Economics	Financial Engineering, Financial Derivatives	Department of Money and Banking
Huang Tai-Hsin	Professor	State University of New York at Stony Brook Ph.D. in Economics	Efficiency and Productivity Analysis, Applied Econometrics Analysis	Department of Money and Banking
Chiang Mi-Hsiu	Professor	University of London Ph.D. in Quantitative Finance	Financial Derivatives, Financial Engineering, Credit Structured Products, Credit Risk Control	Department of Money and Banking
Sharon S. Yang	Professor	Heriot-Watt University Ph.D. in Actuarial Mathematics	Insurance Actuarial Science, Risk Management, Pension Actuarial Science and Finance, Securitization of Longevity Risk, Climate Insurance and Derivatives	Department of Money and Banking
Chang Hsing-Hua	Associate Professor	Harvard University Ph.D. in Economics	Game Theory, Microeconomics	Department of Money and Banking
Lin Chien-Hsiu	Associate Professor	University of California, Los Angeles Ph.D. in Economics	Asset Pricing, International Finance	Department of Money and Banking
Chao Shih-Wei	Associate Professor	University of California, Davis Ph.D. in Economics	Monetary Economics, Financial Economics	Department of Money and Banking
Lin Ching-Ting	Associate Professor	University of Delaware Ph.D. in Economics	Behavioral Finance, Financial Institution Risk Management, Investing, Corporate Governance	Department of Money and Banking

Norman Yin	Adjunct Professor	Washington State University Ph.D. in Economics	Financial System, Financial Regulations, Bank Management	Department of Money and Banking
Chiang Yeong-Yuh	Adjunct Professor	University of Minnesota Ph.D. in Economics	Financial Theory, International Trade Theory, Managerial Economics	Department of Money and Banking
Chu Hau-Min	Adjunct Professor	Brown University Ph.D. in Economics	China's Financial Market, Securities Market, Financial Supervision, Macroeconomics	Department of Money and Banking
Thomas Lee	Adjunct Professor	Ohio State University Ph.D. in Economics	Investments, Financial Management, Money and Banking, Financial Supervision	Department of Money and Banking
Lyu Jye-Cherng	Adjunct Associate Professor	Northwestern University Master of Business Administration	Financial Innovation	Department of Money and Banking
Huang Tien-Mu	Adjunct Professor-level Technical Expert	University of Southern California Ph.D. in Public Administration	Financial Supervision	Financial Supervisory Commission

