

Course List

I. School Package from the School of Management and Economics

Course Code	Course Title (English)	Course Title (Chinese)	Unit(s)
ACT2111	Introductory Financial Accounting	財務會計導論	3
ECO2011	Basic Microeconomics	微觀經濟學基礎	3
FIN2010	Financial Management	財務管理	3
FIN2020	Foundation of Finance	金融基礎	3

II. School Package from the School of Science and Engineering

Course Code	Course Title (English)	Course Title (Chinese)	Unit(s)
CSC1001	Introduction to Computer Science: Programming Methodology	計算機科學導論：程序設計方法	3
CSC1002	Computational Laboratory	計算機實驗	1
MAT1001	Calculus I	微積分 (一)	3
MAT1002	Calculus II	微積分 (二)	3
MAT2040	Linear Algebra	線性代數	3
STA2001	Probability and Statistics I	概率及統計 (一)	3

III. Major required courses

Quantitative Finance Stream

Course Code	Course Title (English)	Course Title (Chinese)	Unit(s)
DMS3003	Data Analytics and Decision Making	數據分析和決策制定	3
FIN3080	Investment Analysis and Portfolio Management	投資分析與投資組合管理	3
FIN4110	Options and Futures	期權與期貨	3
FIN4120	Fixed Income Securities Analysis Computational Finance	固定收益證券分析	3
MAT2002	Ordinary Differential Equations	常微分方程	3
MAT3007	Optimization	最優化	3
MAT3300	Mathematical Modeling	數學建模	3
STA2002	Probability and Statistics II	概率及統計 (二)	3

FinTech Stream

Course Code	Course Title (English)	Course Title (Chinese)	Unit(s)
CSC3001	Discrete Mathematics	離散數學	3
CSC3100	Data Structures	數據結構	3
ECO3121	Introductory Econometrics	計量經濟學	3
ERG2050	Introduction to Data Analytics	數據分析學概述	3
FIN3080	Investment Analysis and Portfolio Management	投資分析與投資組合管理	3
FIN4560	Market Microstructure and Algorithm	程式化交易與市場微觀結	3

	Trading	構	
FTE4560	Basic Machine Learning	機器學習之基礎課程	3
MAT3007	Optimization	最優化	3

IV. Major Elective courses

Course Code	Course Title (English)	Course Title (Chinese)	Unit(s)
ACT4253	Legal Environment, Business Ethics and CSR in China	中國法律環境、商業道德與企業社會責任	3
CSC3001 ^[1]	Discrete Mathematics	離散數學	3
CSC3100 ^[1]	Data Structures	數據結構	3
CSC3150 ^[2]	Operating System	操作系統	3
CSC3170 ^[2]	Database System	數據庫系統	3
CSC3180 ^[2]	Fundamentals of Artificial Intelligence	人工智能之基本原理	3
CSC4008 ^[2]	Techniques for Data Mining	數據挖掘技術	3
DMS3002 ^[1]	Applied Probability and Stochastic Process in Business	應用概率和隨機過程	3
ECO3121 ^[1]	Introductory Econometrics	計量經濟學	3
ECO3160 ^[1]	Game Theory	博弈論與商業戰略	3
EIE4007 ^[2]	Computer and Network Security	計算機與網絡安全	3
ERG3010 ^[2]	Data and Knowledge Management	數據與知識管理	3
ERG3020 ^[2]	Web Analytics and Intelligence	網絡分析與智能	3
FIN4060	Financial Markets in China and the World	中國與世界的金融市場	3
FIN4080 ^[1]	Behavioral Finance	行為金融學	3
FIN4110 ^[2]	Options and Futures	期權與期貨	3
FIN4120 ^[2]	Fixed Income Securities Analysis	固定收益證券分析	3
FIN4210	Corporate Finance	公司金融	3
FIN4231 ^[1]	Asset Pricing	資產定價	3
FIN4560 ^[1]	Market Microstructure and Algorithm Trading	程式化交易與市場微觀結構	3
FMA4200	Financial Data Analysis	金融數據分析	3
FMA4800 ^[1]	Financial Computation	金融計算	3
FTE2001 ^[2]	FinTech Regulation and Legal Policy	金融科技規則與法律	3
FTE4003 ^[2]	Data Mining for FinTech	數據挖掘技術	3
FTE4999	Internship	金融工程實習	3
MAT3280 ^[1]	Probability Theory	概率論	3
MAT4500 ^[1]	Stochastics Differential Equations	隨機微分方程	3
MKT4220 ^[2]	Big Data Marketing	大數據營銷	3
RMS4060	Risk Management with Derivatives	風險管理及衍生品的應用	3
STA3010	Regression Analysis	回歸分析	3

STA4001 ^[1]	Stochastic Process	隨機過程	3
STA4003	Time Series	時間序列	3

Explanatory Notes:

[1] Applicable to Quantitative Finance Stream only.

[2] Applicable to FinTech Stream only.