Figure 6.4 Abbreviated Course Syllabus
Economics and Finance:1210900294 Internet Financial Risk Management

Course Number:	1210900294
Course Name:	Internet Financial Risk Management
Instructors:	He Xiu, Liu Shanzi
Students:	Economics and Finance Cohort 2020
Required Text:	*Internet financial risk management* by Zhang Chenghu, published by China Financial Press, 2020.
Course Description:	Internet Financial Risk Management is specialized courses for economics and finance program, which aims to cultivate learners' basic knowledge and practical ability of online financial risk management. Through the teaching of this course, students can identify the types and risks of Internet finance, understand the operation mode and risk prevention of P2P companies, understand the risk control of big data credit risk control, equity crowdfunding risk control, mobile payment risk prevention, Internet bills, insurance banks and other institutions, and use statistical methods such as machine learning and in-depth learning to conduct data mining, laying a solid theoretical and practical foundation for subsequent employment.

Topic Outline:		Hours/Minutes
I.	Financial risk and management	6
A.	The meaning of financial risk	
B.	Types of Financial Risks	
C.	The Impact of Financial Risks on the Economy	
D.	Management of Financial Risks	
II.	Types and risks of finance	6
A.	Types of Internet financial risks ①Credit Risk ②Market Risk ③Operational Risk	
B.	Risk Categories of Internet Financial Risks ①Credit Risk ②Liquidity Risk ③Operational Risk ④Regulatory and Compliance Risk	
C.	Preventive Measures and Regulatory Opinions on Internet Finance	
D.	Distinction between Investment Behavior and Speculation and Gambling Behavior	

III.	Risks Faced by P2P Companies and Risk Control	6
A.	P2P Industry Risk Control Challenges	
B.	P2P Platforms' Risk Identification and Prevention Methods for Borrowers	
C.	Modes of Debt Transfer on P2P Platforms and Risk Prevention	
D.	Risk Control System of P2P Companies Loan Separation System	
IV.	Risk Prevention for P2P Investors	6
A,	Risks and Prevention of P2P Capital Pools	
B.	Key Indicators of P2P	
	①Default Rate	
	②Loan Volume	
	③Investor Returns	
	④Loan Origination Fees	
	⑤Loan Term	
C.	Risk Reserves	
D.	Fund Depository and Trusteeship	
V.	Big Data Credit Risk Control	6
A.	The difference between big data risk control and traditional risk control	
B.	Application of Big Data in Risk Control	
C.	Advantages and Disadvantages of Big Data Risk Control	
VI.	Risk Control of Equity Crowdfunding	6
A.	Definition of Equity Crowdfunding	
B.	Operation Model of Equity Crowdfunding	
C.	Analysis of the main risks of equity crowdfunding	
	①Risk of Business Failure	
	②Lack of Liquidity	
	③Dilution	
	④Regulatory Risks	
D.	Risk Prevention and Control of Equity Crowdfunding Institutions	
VII.	The application of machine learning in internet finance risk management	6
A.	Logistic Regression Model	
B.	Random Forest Model	
C.	Support Vector Machine Model	
D.	Comparative Analysis of Models	
VIII.	The application of deep learning in internet finance risk management	6
A.	Sensing Machine	
B.	Convolutional Neural Networks	
C,	Recurrent Neural Networks	
D.	Long Short-Term Memory	
	Total Sessions (Coverage Hours)	48

Summary of UG CPC Topics Covered in this Course:	Hours/Minutes
a. Marketing	0
b. Finance	16
c. Accounting	0
d. Management	10
e. Legal environment of Business	4
f. Economics	6
g. Business Ethics	6
h. Global Dimensions of Business	0
i. Business Communications	0
j. Information System	2
k. Quantitative Techniques and Statistics	0
l. Business Policies	0
m. Comprehensive or Integrating Experience	4
Total Estimated CPC Coverage Hours	48