Computer Financial Management Course Syllabus

<u>Course Number:</u>	501037
<u>Course Name:</u>	Computer Financial Management
<u>Instructors:</u>	Zhan Liang
<u>Students:</u>	Financial management category.
<u>Required Text:</u>	2022 edition
<u>Course Description:</u>	This course is one of the elective courses for the major of financial management, and it is a fringe subject that integrates financial management, computer and other disciplines. This course is based on modern financial management theory and mainly uses modern information technology, especially Excel technology, to carry out financial management. The main purpose of this course is to cultivate students' modeling ability under computer environment and financial decision-making ability combining quantitative and qualitative analysis. Through the study of this course, students will be able to build on the existing financial management theories and methods. With advanced computer technology to establish a variety of financial analysis, financial forecasting, financial planning and financial decision-making models, so as to improve their own financial management level.

Topic Outline:

		Hours/Minutes
Chapter 1	Overview of computer financial management	4
	1. The change of enterprise management environment in the information age;	
	2. The influence of the change of business environment on the development of financial management;	
	3. Financial modeling and decision-making methods;	
	4. Modeling tools -Excel introduction.	
Chapter 2	Basic methods for creating a financial management worksheet	4
	1. Preparation of worksheets;	
	2. Financial management worksheet design;	
	3. Input data and establish formulas;	
	4. Modify worksheets;	
	5. Organize your worksheet	
Chapter 3	The drawing method of financial management analysis chart	4
	1. Graphic overview;	
	2. Basic principles and methods for drawing charts;	
	3. Edit the chart;	
	4. Use charts for analysis;	
	5. Print the chart.	
Chapter 4	Financial analysis model	8
	1. Overview of financial analysis;	
	2. Method of obtaining data;	
	3. Design method of ratio analysis model;	
	4. Design method of trend analysis model;	

	5. Design method of comprehensive analysis model.	
Chapter5	Optimal planning management model of working capital	12
	1. Overview of optimal planning and management of working capital;	
	2.The theoretical basis of optimal decision-making of working capital - the theory of linear programming;	
	3. Optimal decision analysis tool - planning solution tool;	
	4. Design and analysis of optimal order quantity decision model;	
	5. Enterprise group operation decision model and case analysis.	
Chaptre6	Investment decision model	2
	1. Overview of investment decision model	
	2. Analysis of investment decision indicators and their functions	
	3. Design of fixed assets renewal decision model	
	4. Design of investment risk analysis model	
	5. Design and case analysis of investment decision models for multiple projects	
	6. Personal investment and financial decision-making model	
	7. Investment project solution design	
Chapter7	Financing decision model	2
	1. Overview of financing decision-making model;	
	2. Time value and function;	
	3. Design of long-term borrowing financing model;	
	4. Lease financing model design;	
	5. Design of comparative analysis model of lease financing and loan financing.	
Chapter8	Sales and profit management model	4
	1. Overview of sales and profit management model;	
	2. Establishment of sales flow analysis model;	
	3. Establishment of sales performance analysis model;	
	4. Sales forecasting model design;	

Summary of Microeconomics		Hours/Minutes
a.	Overview of computer financial management	4
b.	Basic methods for creating a financial management worksheet	4
c.	The drawing method of financial management analysis chart	4
d.	Financial analysis model	8
e.	Optimal planning management model of working capital	12
f.	Investment decision model	2
g.	Financing decision model	2
h.	Sales and profit management model	4
	Total Estimated CPC Coverage Hours	40