
COURSE SYLLABUS

FOR FULL-TIME UNDERGRADUATE PROGRAMS

(Issued under Decision No.1380/QĐ-ĐHKTQĐ on 15/8/2016 by the University President)

1. COURSE NAME: Financial Statistics

Code: TKKT1117

Number of Credits: 03

2. DEPARTMENT IN CHARGE OF INSTRUCTION:

Socio-Economic Statistics

Office: Room 401-402, Building No 7, NEU

Office Hours: 8:00 – 17:00, from Monday to Friday

Office Telephone: 04.38693275

3. PRE-REQUISITE: Microeconomics/Macroeconomics

4. COURSE DESCRIPTION:

Financial statistics researches the behavior of financial resources, monetary and credit of financial organizations and credit markets in the economy. Besides, this course also studies all aspects of social and economic life which relate to finance, the stages of the process of social reproduction in terms of the financial perspective. Financial Statistics is one of the main subjects of the Economic statistics, and is one of the important supplementary subjects for economics, business administration, economic management, banking - financial and other sectors. It is a traditional subject, updated, compiled on the basis of new documents on financial statistics in domestic and international, in accordance with the objectives of reforms and international integration in undergraduate and higher education in Vietnam.

5. COURSE OBJECTIVES:

- **Audiences:** students majoring in Statistics and Business Education.
- **Knowledge:** The course supplies students with the panorama of the national finances, operations of financial institutions, financial markets, accounting methods, the analysis characteristics of the application of analysis methods and significance of the indicators as well as information resources can be exploited and collected in financial statistical indicators.

6. COURSE CONTENT:

TENTATIVE SCHEDULE

<i>No</i>	<i>Contents</i>	<i>Total hours</i>	<i>In details</i>		<i>Notes</i>
			<i>Theory</i>	<i>Practice, Discussion, Exams</i>	
1	Chapter 1	3	3	-	
2	Chapter 2	6	4	2	
3	Chapter 3	5	4	1	
4	Chapter 4	5	4	1	
5	Chapter 5	5	3	2	
6	Chapter 6	5	3	2	
7	Chapter 7	5	3	2	
8	Chapter 8	5	3	2	
9	Chapter 9	5	3	2	
	Midterm exam	1	-	1	
	Total	45	30	15	

CHAPTER 1 – INTRODUCTION TO FINANCIAL STATISTICS

Chapter 1 presents the general issues of financial statistics: basic concepts in financial statistics, statistical methods to research finance, roles of financial statistics, administration and management of State finances; an overview of the classification of financial and statistical indicator system and the financial status of the financial statistics in the national and international statistics.

1.1. Basic concepts

1.2. The objects, roles and methods of the study

1.2.1. The object

1.2.2. The roles

1.2.3. The research methods

1.3. Indicator system of finance

1.3.1. Some issues of national and international financial statistics

1.3.2. Main indicator system

1.4. Finance flows in the System of National Accounts

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “*Thống kê tài chính*”, [Financial Statistics textbook].

2. Nguyen Huy Thinh, Bui Huy Thao (2002), “*Giáo trình Thống kê tài chính*” – [Financial Statistics Textbook], Finance Publishing House.

3. Bui Duc Trieu (2006), “Thống kê tài chính trong nền kinh tế thị trường”, [Financial statistics in market economy], Journal of economics and development, No. 9/2006.
4. Nguyen Huu Tai (2007), “Giáo trình Lý thuyết tài chính tiền tệ”, [Financial and Monetary Theory], National Economics Publishing House.
5. В. Н. Салина (2002). Статистика Финансов-Учебник- Москва ``Финансы и Статистика``
6. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org
7. System of National Accounts 1993 UN, IMF, WB -1993,2008

CHAPTER 2 – BASIC ECONOMIC AND FINANCIAL CALCULATION

Unlike other statistical subjects, financial statistics uses a number of mathematical tools in computation and statistical analysis such as simple interest, compound interest, debt settlement planning, reviews on prices in financial flows, accounting for inflation, etc. This chapter presents the characteristics and basic content about that, which is a prerequisite for the next chapter.

2.1. Concept and roles of economic and financial calculation

2.2. Interest

2.2.1. Concept and categories

2.2.2. Simple interest and discounted at simple interest

2.2.3. Compound interest and discounted at compound interest

2.3. How to calculate inflation in finance?

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “Thống kê tài chính”, [Financial Statistics textbook].
2. Nguyen Huu Tai (2007), “Giáo trình Lý thuyết tài chính tiền tệ”, [Financial and Monetary Theory], National Economics Publishing House.
3. Mai Sieu (1998), “Toán tài chính”, [Financial mathematics], Education Publishing House.
4. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``
5. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

CHAPTER 3 – PUBLIC FINANCE STATISTICS

Public finance, also known as the State finance has the most important role in the national financial system. Public finance statistics includes State budget and off-budget funds. State budget is considered essential and central part of the state financial statistics research. In order to efficiently operate and use the state budget, we can not overlook the role of the state budget statistics. The content of this chapter presents the basic indicators on revenues and expenditures, state debt (national debt), state servants, the use of the state budget, off-budget funds, and the analysis of approaches to public financial statistics.

3.1. State budget

3.1.1. Concepts and categories

3.1.2. Indicators on revenues and expenditures in State budget

3.1.3. Indicators on funding in State budget

3.2. State debt

3.3. Off-budget funds

3.4. State servants and the number of governmental bodies

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “Thống kê tài chính”, [Financial Statistics textbook].

2. Nguyen Huy Thinh, Bui Huy Thao (2002), “Giáo trình Thống kê tài chính” [Financial Statistics Textbook], Finance Publishing House.

3. Nguyen Huu Tai (2007), “Giáo trình Lý thuyết tài chính tiền tệ”, [Financial and Monetary Theory], National Economics Publishing House.

4. “Luật Ngân sách nhà nước và hệ thống mục lục ngân sách năm 2006”, [State Budget Law and Budget Index System 2006], Labor and Social Publishing House.

5. Prof. Dr. Phan Cong Nghia, Assoc. Prof. Dr Bui Duc Trieu (2012), “Giáo trình Thống kê kinh tế”, [Economics Statistics], National Economics Publishing House.

6. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``

7. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

CHAPTER 4 – FINANCIAL STATISTICS IN ENTERPRISES

Financial statistics in enterprises is a division of the national financial system. In the market economy, enterprise is the nucleus of the economy, the healthier the finance of enterprises are, the healthier and developed the economy is. Contents of Chapter 4 present the basic issues of statistical analysis of financial activity in the enterprise and evaluate the use of funds (assets) of enterprise as well as the financial capacity of the enterprise.

4.1. General principles of financial statistics in enterprises

4.2. Main indicator system

4.2.1. Indicators on financial capacity in enterprises

4.2.2. Indicators on financial status of enterprises

4.3. Analyzing methods of financial activities in enterprises

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “Thống kê tài chính” [Financial Statistics textbook].

2. Nguyen Huy Thinh, Bui Huy Thao (2002), “Giáo trình Thống kê tài chính”, [Financial Statistics Textbook], Finance Publishing House.

3. Prof. Dr. Phan Cong Nghia, Assoc. Prof. Dr Bui Duc Trieu (2012), “Giáo trình Thống kê kinh tế”, [Economics Statistics], National Economics Publishing House.

4. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``

5. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

CHAPTER 5 – MONETARY AND CREDIT STATISTICS

Chapter 5 presents two parts: Monetary statistics and credit statistics. Monetary is an important part invented in the economic development of mankind. Managing, regulating and issuing money most effectively is always a difficult task for managers and national currency policy makers as well as international financial institutions. Part I of Chapter 5 equips students with the basic issues of monetary statistics and currency circulation, indicator system of money and currency circulation, as well as analysis and forecasts methods of the volume of monetary and currency circulation. Part II of Chapter 5 covers the issues of credit statistics. Credit plays an important role in the economy, especially in an era of integration and globalization. Credit statistics researches and constructs indicator systems which reflect the diversified, abundant activities of credit, particularly bank credit, indicator system on the quality of the bank and analyzing methods of banking activities.

5.1. Monetary statistics and currency circulation

5.1.1. General principles of monetary statistics and currency circulation

5.1.2. Main indicator system

5.1.3. Monetary turnover rate

5.2. Credit statistics

5.2.1. General principles of credit statistics

5.2.2. Credit sources and credit uses

5.2.3. Short term and long term credit

5.2.4. Evaluating performance of credit institutions

5.3. Analysis methods of monetary and credit

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “Thống kê tài chính”, [Financial Statistics textbook].

2. Nguyen Huy Thinh, Bui Huy Thao (2002), “Giáo trình Thống kê tài chính”, [Financial Statistics Textbook], Finance Publishing House.

3. Nguyen Huu Tai (2007), “Giáo trình Lý thuyết tài chính tiền tệ”, [Financial and Monetary Theory], National Economics Publishing House.

4. Duong Thanh Dung, Nguyen Thi Thanh Huong (2002), “Thống kê ngân hàng”, [Banking statistics], Statistics Publishing House.

5. Prof. Dr. Phan Cong Nghia, Assoc. Prof. Dr Bui Duc Trieu (2012), “Giáo trình Thống kê kinh tế”, [Economics Statistics], National Economics Publishing House.

6. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``

7. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

CHAPTER 6 - STOCK MARKET AND VALUABLE PAPERS STATISTICS

The contents of the chapter consist of two parts: stock market and valuable papers. The Stock market statistics researches the activities in the stock market which are reflected through indicator system, the methodology and the effect of the stock price index, methods and characteristics of application of these analysis methods in the stock market. In the market economy, the financial instruments, such as valuable documents (papers of value) are circulated, moved and they play an important role in production and business activities, payment, mortgage, credit, storage, investments, etc. The second content of the chapter covers the statistical problems of valuable papers, indicator system of valuable papers, valuation and accounting valuable papers income and analysis methods used in the assessment of investment risk.

6.1. Stock market

6.1.1. Basic concepts

6.1.2. Indicator system of Stock market

6.1.3. Analysis methods of Stock market

6.2. Valuable papers

6.2.1. Basic concepts

6.2.2. Indicator system of Valuable papers

6.2.3. Valuation and accounting income of valuable papers

6.2.4. Analysis methods of investment risks

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “Thống kê tài chính”, [Financial Statistics textbook].

2. Nguyen Huy Thinh, Bui Huy Thao (2002), “Giáo trình Thống kê tài chính”, [Financial Statistics Textbook], Finance Publishing House.

3. Nguyen Huu Tai (2007), “Giáo trình Lý thuyết tài chính tiền tệ”, [Financial and Monetary Theory], National Economics Publishing House.

4. Prof. Dr. Phan Cong Nghia, Assoc. Prof. Dr Bui Duc Trieu (2012), “Giáo trình Thống kê kinh tế”, [Economics Statistics], National Economics Publishing House.

5. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``

6. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

CHAPTER 7 - INSURANCE STATISTICS

The market economy always has inevitable potential risks. Therefore, insurance was born and developed in conjunction with the development of the economy. In the insurance operations, statistical tool plays an important role, thus, we can say that there is no statistics, there are no insurance activities. This chapter presents general principles of insurance statistics, which are objects and tasks of insurance statistics, the important classification in insurance statistics, accounting insurance norms and evaluation of insurers.

7.1. General principles of Insurance statistics

7.1.1. The objects and roles

7.1.2. Important classifications

7.2. Indicator system of insurance

7.2.1. Social insurance

7.2.2. Commercial insurance

7.2.3. Other types of insurance

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “*Thống kê tài chính*”, [Financial Statistics textbook].

2. Nguyen Huy Thinh, Bui Huy Thao (2002), “*Giáo trình Thống kê tài chính*”, [Financial Statistics Textbook], Finance Publishing House.

3. Nguyen Van Dinh (2010), “*Giáo trình Bảo hiểm*”, [Insurance Statistics], National Economics Publishing House.

4. Prof. Dr. Phan Cong Nghia, Assoc. Prof. Dr Bui Duc Trieu (2012), “*Giáo trình Thống kê kinh tế*”, [Economics Statistics], National Economics Publishing House.

5. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``

6. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

CHAPTER 8 – PRICE STATISTICS

Price is a leading concern of both producers and consumers, as well as managers in society ever. To perform the tasks and meet the needs of the economy, price statistics constructs indicator system, the statistical methods to examine the pricing levels and pricing structures, research and analysis price index, and presents the analytical inflation and its impact on the most important economic indicators.

8.1. General principles of price statistics

8.1.1. The objects, roles and methods of the study

8.1.2. Pricing statistics

8.2. Pricing levels and pricing structures

8.3. Price index

8.4. Impacts of inflation

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “Thống kê tài chính”, [Financial Statistics textbook].
2. Nguyen Huy Thinh, Bui Huy Thao (2002), “Giáo trình Thống kê tài chính”, [Financial Statistics Textbook], Finance Publishing House.
3. Nguyen Huu Tai (2007), “Giáo trình Lý thuyết tài chính tiền tệ”, [Financial and Monetary Theory], National Economics Publishing House.
4. Prof. Dr. Phan Cong Nghia, Assoc. Prof. Dr Bui Duc Trieu (2012), “Giáo trình Thống kê kinh tế”, [Economics Statistics], National Economics Publishing House.
5. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``
6. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

CHAPTER 9 – INTEREST AND EXCHANGE RATE STATISTICS

Interest rates and exchange rate is an important issue in open economies. The interest rate is the price of capital, in market economies, financial and monetary policies are always tied to interest rates. Operating flexibly so that interest rates have a positive impact on the economy is the most difficult and complicated task of the managers. Therefore, the role of interest rate statistics becomes important. The first content of Chapter 9 presents the nature, classification and tasks of interest rate statistics, statistical analysis methods of the changes of interest rates and the impact of factors affecting interest rates and correlative bond with other indicators.

Integration and globalization is the inevitable trend in the world. In this context, managing and regulating the exchange rate between the local currencies and hard currency has strong impact on the economy of not only one nation but also the region and the global. Statistical tools are the way to have quantitative information, comparisons and analysis as well as forecasting the exchange rate. The second content of Chapter 9 presents the concept and calculation methods, the effect of exchange rates, purchasing power parity and inflation, the average exchange rate, statistical analysis of exchange rate fluctuations, the factors that affect exchange rates and methods of forecasting exchange rates.

9.1. Interest rate

- 9.1.1. General principles of interest rate
- 9.1.2. Analysis methods of interest rate trend
- 9.1.3. Analysis methods of interest rate

9.2. Exchange rate

- 9.2.1. The exchange rate, purchasing power parity and inflation
- 9.2.2. Average exchange rates
- 9.2.3. Exchange rate changes
- 9.2.4. Factors affecting exchange rates

Texts and readings for the chapter:

1. Dr. Bui Duc Trieu (2009), “Thống kê tài chính”, [Financial Statistics textbook].
2. Nguyen Huy Thinh, Bui Huy Thao (2002), “Giáo trình Thống kê tài chính”, [Financial Statistics Textbook], Finance Publishing House.
3. Nguyen Huu Tai (2007), “Giáo trình Lý thuyết tài chính tiền tệ”, [Financial and Monetary Theory], National Economics Publishing House.
4. Prof. Dr. Phan Cong Nghia, Assoc. Prof. Dr Bui Duc Trieu (2012), “Giáo trình Thống kê kinh tế”, [Economics Statistics], National Economics Publishing House.
5. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``
6. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

7. REQUIRED TEXTBOOKS & COURSE MATERIALS:

Dr. Bui Duc Trieu (2009), “Thống kê tài chính”, [Financial Statistics textbook].

8. RECOMMENDED TEXTS & OTHER READINGS:

1. Nguyen Huy Thinh, Bui Huy Thao (2002), “Giáo trình Thống kê tài chính”, [Financial Statistics Textbook], Finance Publishing House.
2. Bui Duc Trieu (2006), “Thống kê tài chính trong nền kinh tế thị trường”, [Financial statistics in market economy], Journal of economics and development, No. 9/2006
3. Duong Thanh Dung, Nguyen Thi Thanh Huong (2002), “Thống kê ngân hàng”, [Banking statistics], Statistics Publishing House.
4. “Luật Ngân sách nhà nước và hệ thống mục lục ngân sách năm 2006”, [State Budget Law and Budget Index System 2006], Labor and Social Publishing House.
5. Nguyen Huu Tai (2007), “Giáo trình Lý thuyết tài chính tiền tệ”, [Financial and Monetary Theory], National Economics Publishing House.
6. Mai Sieu (1998), “Toán tài chính”, [Financial mathematics], Education Publishing House.
7. Prof. Dr. Phan Cong Nghia, Assoc. Prof. Dr Bui Duc Trieu (2012), “Giáo trình Thống kê kinh tế”, [Economics Statistics], National Economics Publishing House.
8. Nguyen Van Dinh (2010), “Giáo trình Bảo hiểm”, [Insurance Statistics], National Economics Publishing House.
9. Nguyen Van Quy (2000), “Hệ thống tài khoản quốc gia”, [System of National Accounts], Statistics Publishing House.
10. В. Н. Салина (2002). Статистика Финансов - Учебник - Москва ``Финансы и Статистика``
11. Ю. Н. Иванова (2006). Экономическая Статистика - Учебник – МГУ-Москва ``ИНФРА-М``

12. Monetary and Financial Statistics Manuel - IMF-2000- www.imf.org

13. System of National Accounts 1993 UN, IMF, WB -1993,2008

9. ASSESSMENT & GRADING POLICY:

The assessment and grading policy complies with the current regulations of the National Economics University. Specifically:

- class attendance: 10%
- Mid-term exam: 30%
- Final exam: 60%

(To be eligible for final exam, students need to achieve minimum scores of 5 and 3 for attending class and mid-term exam, respectively)

Hanoi, 2016

HEAD OF DEPARTMENT

PRESIDENT

(signed)

(signed)

MSc. Nguyen Thi Xuan Mai

Prof.Dr. Tran Tho Dat