

**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: INSURANCE STATISTICS

Code: TKKD1105

Number of Credit: 02

2. DEPARTMENT IN CHARGE OF INSTRUCTION: BUSINESS STATISTICS

Office: Room 401 Building 7 – Faculty of Statistical Office

Office Hours: 7:30 am – 17:00 pm, from Monday to Friday

Office Telephone: 043.8693275

3. PRE-REQUISITE: *Principles of Statistics*

4. COURSE DESCRIPTION:

Insurance statistics is a division of statistical science. It is also an independent subject which has its own research tasks and scope of study. Specific tasks of the course include:

- Completing the insurance indicators system and proposing methodology that calculates the indicators to quantify all insurance activities systematically and precisely.
- Completing the statistical reporting system of the insurance sector to suit each insurance system and insurance service; therefrom, required information is collected for researching and calculating statistical indicators, summarizing, analyzing and predicting the phenomena in the insurance field.
- Suggesting solutions to enhance insurance portfolio and efficiency of insurance organizations. That helps to stable the production process and social security.

5. COURSE OBJECTIVES:

After completing the course, students will be able to:

- Understand the research objects of the course; therefrom, they can find the relationship and the differences between Statistics for insurance and others.
- Understand the characteristics, the meaning, the content and methods to identify insurance indicators, especially indicators of social insurance and commercial insurance.

- Use flexibly methods to present and summarise data, and on that basis, apply some statistical methods to analyze the essence/nature of the relationship and the change (in space and time) of the phenomena taking place in the insurance field.
- Apply some statistical methods of prediction in order to predict phenomena in the insurance field.

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	5	3	2	
2	Chapter 2	5	3	2	
3	Chapter 3	7	4	3	
4	Chapter 4	6	3	3	
5	Chapter 5	6	3	3	
6	Mid-course test	1	-	1	
	Total	30	16	14	

CHAPTER 1: INTRODUCTION TO INSURANCE STATISTICS

The basic content of the chapter refers and analyses the research objects, the tasks and the roles of Statistics for Insurance; therefrom, learners can connect to the research objects, and the research tasks of other statistics subjects. Moreover, this chapter also presents the organization of insurance statistics in Vietnam. Then, learners can find the actual situation and consider the pros and cons in this field.

1.1. General overview of insurance

1.1.1. Some concepts of insurance

1.1.2. The essence of insurance

1.1.3. The types of insurance

1.2. The research objects

1.3. The tasks and roles

1.3.1. The tasks

1.3.2. The roles

1.4. The characteristics of the insurance statistics

1.5. Organization of insurance statistics in Vietnam

Texts and readings for the chapter:

1. Nguyen Van Dinh (2008), Insurance textbook, National Economics University Publisher.
2. Bui Huy Thao (1996), Insurance Statistics textbook, Statistical Publisher.
3. Tran Thi Kim Thu (2008), Principles Statistics textbook, National Economics University Publisher.
4. Mac Van Tien (2008), Insurance Statistics textbook, Socio-labor Publisher.

CHAPTER 2: STATISTICS FOR SOCIAL INSURANCE

Social insurance is founded from the reality. It is a socio-economic policy of the Party and government to stabilize the life of workers when they come up against difficulties and helps to reach social security. Statistics for social insurance holds an important position along with the development of social insurance system. It is a part of statistics in general and insurance statistics in particular. This chapter presents to two basic content items as follow:

- *Presenting and analyzing the insurance indicators system.*
- *Applying some statistical methods to analyze the phenomena in social insurance field.*

2.1. General overview of social insurance

- 2.1.1. The concepts of social insurance
- 2.1.2. The essence and function of social insurance
- 2.1.3. The principles of social insurance
- 2.1.4. The classification of social insurance

2.2. The roles and the tasks of social insurance

- 1.3.1. The roles
- 1.3.2. The tasks

2.3. Indicators system of social insurance

- 2.3.1. Indicators system requirement
- 2.3.2. The indicators system

2.4. Analyzing statistical methods in social insurance

- 2.4.1. Analyzing the relationship in social insurance
- 2.4.2. Analyzing the change of indicators

Texts and readings for the chapter:

1. Nguyen Van Dinh (2008), Social Security textbook, National Economics University publisher.
2. Nguyen Van Dinh (2008), Insurance textbook, National Economics University publisher.
3. Bui Huy Thao (1996), Insurance Statistics textbook, Statistical publisher.
4. Tran Thi Kim Thu (2008), Principles Statistics textbook, National Economics University publisher.

5. Mac Van Tien (2008), Insurance Statistics textbook, socio-labor publisher.
6. National assembly of the socialist republic of Viet Nam (2010), The Laws of social insurance.

CHAPTER 3. STATISTICS FOR COMMERCIAL INSURANCE

Research objects and scope of commercial insurance are more extensive than those of social insurance. Research objects of commercial insurance include: human, property and civil liability while these of social insurance cover only human. While the coverage of social insurance is within a country, the coverage of commercial insurance is worldwide. As a part of insurance statistics in particular and statistics in general, commercial insurance covers two basic content items:

- *Introduce and analyze statistical indicator system of current commercial insurance*
- *Apply some statistical methods to study the phenomena taking place in the field of commercial insurance.*

3.1. General overview of commercial insurance

- 3.1.1. The concept of commercial insurance
- 3.1.2. The essence and the roles of commercial insurance
- 3.1.3. The principles of commercial insurance
- 3.1.4. The classification of commercial insurance

3.2. The roles and the tasks of commercial insurance

- 3.2.1. The roles
- 3.2.2. The tasks

3.3. Indicators system of commercial insurance

- 3.3.1. Indicators system requirements
- 3.3.2. The indicators system

3.4. Commercial insurance analysis

- 3.4.1. Analyzing the stages of commercial insurance business activities
- 3.4.2. Analyzing business results and efficiency of commercial insurance enterprises
- 3.4.3. Analyzing the competitive capacity of the commercial insurance enterprises
- 3.4.4. The statistical and accounting tables in commercial insurance

Texts and readings for the chapter:

1. Nguyen Van Dinh (2008), Insurance textbook, National Economics University publisher.
2. Nguyen Van Dinh (2004), Insurance Business Administration textbook, National Economics University publisher.
3. Bui Huy Thao (1996), Insurance Statistics textbook, Statistical publisher.

4. Tran Thi Kim Thu (2012), Principles Statistics textbook, National Economics University publisher.
5. Mac Van Tien (2008), Insurance Statistics textbook, socio-labor publisher.
6. National assembly of the socialist republic of Viet Nam (2010), The Laws of commercial insurance.

Chapter 4: STATISTICS FOR HEALTH-CARE INSURANCE

Health-care insurance is organized and controlled by the Government to mobilize the contribution of individuals and groups and all members of society. It helps to improve the quality of medical care and treatment for people. The essence of health-care insurance is humanity and social equity. Like commercial insurance, health-care insurance works on the principle that is transferring of risk or loss from one entity to another. It means the majority of the health-care populations contribute a very low percentage of their income to social insurance fund. The fund helps few unlucky people who need medical service. Along with the founding and development of health-care insurance, statistics for health-care insurance plays an important role in providing information regularly and immediately to calculate indicators for research, evaluation and all-sided analysis of the results of health-care insurance.

- 4.1. General overview of health-care insurance
 - 4.1.1. The concept of health-care insurance
 - 4.1.2. The essence and function of health-care insurance
 - 4.1.3. Principles of health-care insurance
 - 4.1.4. Classification of health-care insurance
- 4.2. The roles and the tasks of health-care insurance
 - 4.2.1. The roles
 - 4.2.2. The tasks
- 4.3. The indicators system of health-care insurance
- 4.4. Health-care insurance analysis

Texts and readings for the chapter:

1. Nguyen Van Dinh (2008), Insurance textbook, National Economics University publisher.
2. Bui Huy Thao (1996), Insurance Statistics textbook, Statistical publisher.
3. Tran Thi Kim Thu (2012), Principles Statistics textbook, National Economics University publisher.
4. Mac Van Tien (2008), Insurance Statistics textbook, socio-labor publisher.
5. National Assembly of the Socialist Republic of Viet Nam (2010), The Laws of social insurance.

6. National assembly of the socialist republic of Viet Nam (2010), The Laws of health insurance.

CHAPTER 5: STATISTICS FOR UNEMPLOYMENT INSURANCE

Unemployment insurance is a quite new service in Vietnam. Decree No. 127/2008/ND - CP on 12 of December, 2008 of the Government details and guides the implementation of some articles about unemployment insurance in Social Insurance Law. In addition to introducing some basic contents related to unemployment insurance, this chapter provides unemployment insurance indicators and the methods to analyze the phenomena in this field.

5.1. General overview of unemployment insurance

5.1.1. The concept of unemployment insurance

5.1.2. Object and scope of unemployment insurance

5.1.3. The essence and function of unemployment insurance

5.1.4. The principles of unemployment insurance

5.1.5. The classification unemployment insurance

5.2. The roles and the tasks of the unemployment insurance

5.2.1. The roles

5.2.2. The tasks

5.3. Indicators system of unemployment insurance

5.4. Methods of analyzing unemployment insurance

Texts and readings for the chapter:

1. Nguyen Van Dinh (2008), Insurance textbook, National Economics University publisher.

2. Bui Huy Thao (1996), Insurance Statistics textbook, Statistical publisher.

3. Tran Thi Kim Thu (2012), Principles Statistics textbook, National Economics University publisher.

4. Mac Van Tien (2008), Insurance Statistics textbook, socio-labor publisher.

5. National Assembly of the Socialist Republic of Viet Nam (2010), The Laws of social insurance.

7. REQUIRED TEXTBOOK & COURSE MATERIALS

8. RECOMMENDED TEXTS & OTHER READINGS

1. Nguyen Van Dinh (2008), Social Security textbook, National Economics University publisher.

2. Nguyen Van Dinh (2008), Insurance textbook, National Economics University publisher.

3. Nguyen Van Dinh (2004), Insurance Business Administration textbook, National Economics University publisher.
4. Bui Huy Thao (1996), Insurance statistics textbook, Statistical publisher.
5. Tran Thi Kim Thu (2012), Principles Statistics textbook, National Economics University publisher.
6. Mac Van Tien (2008), Insurance Statistics textbook, socio-labor publisher.
7. National Assembly of the Socialist Republic of Viet Nam (2010), The Laws of commercial insurance.
8. National Assembly of the Socialist Republic of Viet Nam (2010), The Laws of social insurance.
9. National Assembly of the Socialist Republic of Viet Nam (2010), The Laws of health insurance.

9. ASSESSMENT & GRADING POLICY:

Comply with the current regulations of the National Economics University:

- Teachers' evaluation: 10%
- Mid-course test: 30%
- Final examination: 60%

(Students are eligible to take the final test if: the evaluation of teachers is at least 5, the minimum mid-course test score is 3)

Hanoi, 2016

HEAD OF DEPARTMENT

PRESIDENT

(signed)

(signed)

MSc. Do Van Huan

Prof.Dr. Tran Tho Dat