MINISTRY OF EDUCATION & TRAINING

**HO CHI MINH CITY**

**UNIVERSITY OF TECHNOLOGY & EDUCATION**



**UNDERGRADUATE PROGRAM**

**MAJOR OF LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

(Following Decision No: 1273/QĐ-ĐHSPKT dated August 3rd, 2018, of the President of Ho Chi Minh City University of Technology and Education)

Name of the program: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Major: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

English name: **LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

Professional qualification: **UNDERGRADUATE**

Code of the major: 7510605

Type of education: Regular education

**Ho Chi Minh City, 2022**

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| MINISTRY OF EDUCATION & TRAINING**HCMC UNIVERSITY OF TECHNOLOGY AND EDUCATION** | **SOCIALIST REPUBLIC OF VIETNAM****Independence – Freedom - Happiness** |

**UNDERGRADUATE PROGRAM**

**Name of the program: LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

 **Professional qualification: Undergraduate**

 **Major: LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

Code of the major: 7510605

**Type of education: Regular education**

 **Graduate Diploma: Bachelor of Economics - Major in Logistics**

(Following Decision No: 1273/QĐ-ĐHSPKT dated August 3rd, 2018, of the President of Ho Chi Minh City University of Technology and Education)

**1. Duration of education:** 4 years

**2. Targeted admission:** High school graduation

**3. Grading system, education process, conditions of graduation**

**Grading system**: 10

**Education process**: Following Decision No: 1727/QĐ-ĐHSPKT dated September 6th, 2018, on the official proclamation of regulations on education at the undergraduate level.

**Conditions of graduation**

General condition: Following Decision No: 1727/QĐ-ĐHSPKT dated September 6th, 2018, on the official proclamation of regulations on education at the undergraduate level

Condition of graduation: Completion and successful defense of the graduation thesis

**4. Education goal and learning outcomes**

**Education goals**

The main goal of the program is to train bachelor of economics specializing in Logistics and supply chain management. Students are equipped with fundamental economic knowledge and specialized knowledge in Logistics and supply chain management; they are expected to be capable of analyzing and evaluating economic and logistics-related activities, as well as applying relevant software. Additionally, they are expected to be able to organize logistics services for enterprises. Finally, students are equipped with effective communication and management skills, professional working attitudes, and work-related responsibilities. Overall, the students can satisfy the requirements of logistics and supply chain management.

Graduates with the Major in Logistics and Supply Chain Management can participate as staff or managers in logistics service enterprises or any other logistics departments of other types of companies, especially manufacturing and trading companies.

**Objectives**

1. Equipping fundamental knowledge of logistics, social economics, and management.
2. Developing self-study and systematic-thinking capability, solving practical business-related issues and establishing personal and professional qualities.
3. Performing efficiently as a global citizen with well-developed communication and management skills.
4. Developing capability of envisioning and establishing logistics-related documents, and ability to implement relevant software.

**Program outcomes**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Learning outcomes** | **Level of competency** | **PI** |
| **I** | **FUNDAMENTAL KNOWLEDGE** |
| **I.1** | **Capable of implementing fundamental knowledge of social economics and logistics-related technologies in the field of logistics and supply chain management** |
| ELO1 | Basic knowledge of social economics and logistics, technological applications, capability to solve problems in the field of Logistics and supply chain management | 3 | PI1.1 Understanding and implementing fundamental knowledge of logistics and supply chain management |
| 3 | PI1.2 Understanding and implementing fundamental knowledge of relevant social economics knowledge |
| 3 | PI1.3 Capable of applying relevant logistics-related software |
| **I.2** | **Capable of implementing specialized and advanced logistics-related knowledge based on corporate requirements** |
| ELO2 | Understanding current industry-based knowledge; capable of statistical and logistics-related analysis to solve problems related to logistics and supply chain operations  | 3 | PI2.1 Implementing current industry-based knowledge to solve logistics-related issues and other statistical responsibilities as required by enterprises |
| 3 | PI2.2 Implementing current industry-based knowledge to analyze corporate operating business |
| 3 | PI2.3 Operating companies’ operating business and management |
| ELO3 | Implementing specialized and advanced logistics-related knowledge for logistics and supply chain management  | 3 | PI3.1 Projecting future trends of logistics and supply chain management |
| 3 | PI3.2 Planning related business operations in logistics and supply chain management |
| 3 | PI3.3 Organizing and implementing related business operations in logistics and supply chain management |
| **II** | **SKILLS** |
| ELO4 | Planning, organizing, and conducting business operations in logistics and supply chain management | 4 | PI4.1 Organizing logistics activities (freight forwarding, customs declaration, contract drafting, warehouse operations, etc) |
| 3 | PI4.2 Coordinating specialized services related to logistics and Supply Chain |
| 4 | PI4.3 Evaluating performance  |
| ELO5 | Analyzing and solving problems, making decisions in logistics operations based on specialized knowledge and skills | 3 | PI5.1 Handling business situations and resolving conflicts through communication |
| 4 | PI5.2 Analyzing and making decisions regarding coordination and operation of logistics and supply chain activities of enterprises |
| 4 | PI5.3 Comparing the completed amount of workload with the original plans/goal sets |
| **III** | **LEVEL OF AUTONOMY AND RESPONSIBILITIES** |
| ELO6 | Exercising proper responsibilities, professional ethics and attitudes, discipline and industrial etiquette as required by the profession and the industry | 3 | PI6.1 Complying with professional ethics in logistics and supply chain |
| 3 | PI6.2 Solving business-related issues in a professional manner in accordance with the requirements of the logistics industry |
| 3 | PI6.3 Performing duties in accordance with international logistics standards and requirements |
| ELO7 | Conducting self-study and research, capable of teamwork and effective communication; capable of understanding and working with documents in English | 3 | PI7.1 Proficient in communication skills, including English communication |
| 3 | PI7.2 Fluently understanding professional documents in English  |
| 3 | PI7.3 Developing personal skills and lifelong learning capacity based on domestic and foreign knowledge and documents |
| ELO8 | Capable of planning and organizing start-up businesses, as well as being creative at work for business development | 5 | PI8.1 Building up ideas as foundations for start-up logistics activities of enterprises |
| 5 | PI8.2 Planning start-up logistics activities of enterprises |
| 5 | PI8.3 Implementing logistics activities as required by enterprises |
| ELO9 | Understanding and implementing information technology proficiently in practical learning activities  | 3 | PI9.1 Competently exercising information technology skills in presentation  |
| 3 | PI9.1 Competently exercising information technology skills in data analysis  |
| 3 | PI9.1 Competently exercising information technology skills in problem-solving  |

**Measurement of levels of competency**

|  |  |
| --- | --- |
| **Level of competency** | **Description** |
| 0.0 ≤ competency≤ 1.0 | Basic | Remembering: Students can remember/recognize knowledge by actions such as defining, repeating, listing, identifying, identifying, etc |
| 1.0 < competency ≤ 2.0 | Qualified | Understanding: Students can, on their own, understand and implement knowledge from documents and knowledge by actions such as explaining, classifying, illustrating, etc |
| 2.0 < competency ≤3.0 | implementing: Students implement/apply knowledge to create products such as models, real objects, simulated products, reports, etc |
| 3.0 < competency ≤ 4.0 | Highly competent | Analysis: Students can analyze documents/knowledge into details/parts and understand the whole concept by actions such as analysis, classification, comparison, synthesis, etc |
| 4.0 < competency ≤ 5.0 | Assessment: Students can make judgments and predictions about knowledge/information according to well-defined standards, criteria and indicators by actions such as comments, criticisms, suggestions, etc |
| 5.0 < competency ≤ 6.0 | Excellent | Creativity: Students can create/arrange/organize/design/generalize in a different/new way to create new structures/models/products. |

**5. Summary of total credit number:** 125 credits

Excluding physical education and national defense education

Regarding foreign language courses, students must complete the following courses:

* English 1 (ENCS140026- 4 credits)
* English 2 (ENCS240026- 4 credits)

(Following Decision No: 3776/QĐ-ĐHSPKT dated December 26th, 2022, on regulations on foreign language courses in education at the undergraduate level)

**6. Credit allocation**

|  |  |  |
| --- | --- | --- |
| **No.** | **Course Name** | **Credit** |
|
| **General Knowledge** | **41** |
| **A. Required courses** | **25** |
| **I. Political Education and General Laws** | **13** |
| 1 | Principles of Marxism - Leninism | 3 |
| 2 | Political Economics of Marxism and Leninism | 2 |
| 3 | Scientific socialism | 2 |
| 4 | Revolutionary Direction of the Communist Party of Vietnam | 2 |
| 5 | Ho Chi Minh’s Ideology | 2 |
| 6 | General Laws | 2 |
| **II. Mathematics and Social Science** | **9** |
| 1 | Mathematics for Economics 1 | 3 |
| 2 | Mathematics for Economics 2 | 3 |
| 3 | Applied Statistics and Probability  | 3 |
| **III.**  | **3** (2+1) |
| **B. Selective courses** | **16** |
| **IV. Information Technology** | **3** |
| 1 | Applied Information Technology | 3(2+1) |
| **V. Other courses (Recommended by the faculty)** | **13** |
| **C. Physical Education** |  |
| **VI. Physical Education**  |  |
| 1 | Physical Education 1 | 1 |
| 2 | Physical Education 2 | 1 |
| 3 | Optional Physical Education 3 | 3 |
| **VII. National Defense Education** | 165 credits |
| **Specialized Knowledge and Thesis** | **84** |
| **Fundamental and Specialized Knowledge** | **72** |
| Fundamental |
| Specialized |
| Internship/Enterprise Seminar  | **6** |
| Graduation Thesis | **6** |

*+ Physical Education and Defense Education modules are not included in the total number of credits*

**7. CURRICULUM CONTENT**

***7.1. General Knowledge***

**A – COMPULSORY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course title** | **Credit** | **Note** |
|  | LLCT130105 | Principles of Marxism and Leninism | 3 | *Compulsory by Ministry*  |
|  | LLCT120205 | Political Economics of Marxism and Leninism | 2 | *Compulsory by Ministry*  |
|  | LLCT120405 | Scientific socialism | 2 | *Compulsory by Ministry*  |
|  | LLCT120314 | Ho Chi Minh’s Ideology | 2 |  |
|  | LLCT220514 | Revolutionary Direction of the Communist Party of Vietnam | 2 |  |
|  | GELA220405 | General Laws | 2 | *Compulsory by Ministry*  |
|  | LOSU130109 | Introduction to Logistics and Supply Chain Management | 3 (2+1) | *Compulsory by University* |
|  | MATH132701 | Mathematics for Economics 1 | 3 |  |
|  | MATH132801 | Mathematics for Economics 2 | 3 |  |
|  | MATH132901 | Applied Statistics and Probability | 3 |  |
|  | PHED110513 | Physical Education 1 | 1 |  |
|  | PHED110613 | Physical Education 2 | 1 |  |
|  | PHED130715 | Physical Education 3 | 3 |  |
|  | - | National Defense Education | 165 |  |
| **Total** | **25** |  |

***7.2. Fundamental and Specialized Knowledge***

**7.2.1 FundamentalKnowledge**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course title** | **Credit** | **Note** |
| 1 | RMET220406 | Academic Research methods | 2 |  |
| 2 | DANA230706 | Data Analysis | 3  |  |
| 3 | MAOP230706 | Optimization | 3 |  |
| 4 | BCOM320106 | Business Communication | 2 |  |
| 5 | MAIS430306 | Management Information Systems (MIS) | 3 |  |
| 6 | ERPS431208 | Enterprise Resource Planning (ERP) | 3  |  |
| 7 | ECON240206 | Principles of Economics | 4 |  |
| 8 | PRAC230407 | Principles of Accounting | 3 |  |
| 9 | TLAW322209 | Logistics Law | 2 |  |
| 10 | FUMA230806 | Fundamental Management  | 3 |  |
| **Total** | **28** |  |

**7.2.2 Specialized Knowledge (Applied for theory and experimental Modules)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course title** | **Credit** | **Note** |
| 1 | INSU322409 | Insurance | 2 |  |
| 2 | TERM432609 | Terminal-Port Management and Operation | 3 |  |
| 3 | LOMA322509 | Logistics Management | 2 |  |
| 4 | LOPA431409 | Cargo Unitization and Packaging | 3 | Cooperate with businesses operating in the industry |
| 5 | TMAN431509 | Transportation Management | 3 |  |
| 6 | PROC330109 | Procurement | 3 |  |
| 7 | DEMA431609 | Warehouse Management | 3 | Cooperate with businesses operating in the industry |
| 8 | INBU220508 | International Business | 2 |  |
| 9 | FIMA430807 | Financial Management | 3 |  |
| 10 | SCMA430709 | Supply Chain Management | 3 |  |
| 11 | CUST432109 | Customs Cargo Declaration | 3 | Cooperate with businesses operating in the industry |
| 12 | FTRO432109 | Foreign Trade Techniques | 3 |  |
| 13 | OPMA431909 | Operation Management | 3 |  |
| 14 | SERM322009 | Service Marketing | 2 |  |
| 15 | CARG432809 | Cargo | 3 |  |
| 16 | PRAT421809 | Practice in Enterprises | 2 |  |
| 17 | SSEN321809 | Enterprise Seminar | 2 | A minimum of six seminars |
| 18 | ELOG332509 | E-Logistics | 3 | New subject |
|  |  | **Total** | **48** |  |

**7.2.3 Specialized knowledge**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course title** | **Credit** | **Note** |
| 1 | INTE421109 | Final Internship | 2 | *Compulsory by University* |
| **Total** | **2** |  |

**7.2.4 Graduation Thesis**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course title** | **Credit** | **Note** |
| 1 | LSCM461409 | Graduation Thesis | 6 |  |
| **Total** | **6** |  |

**B – SELECTIVES:**

***General Education Knowledge: (Choose 1 course in these: 02 credits)***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course title** | **Credit** | **Note** |
| 1 | ETHE222909 | History of economic theories | 2 |  |
| 2 | PSBU220408 | Business psychology | 2 |  |
| 2 | PRSK320705 | Presentation skill | 2 |  |
| 3 | BCUL320506 | Corporate Culture | 2 |  |

***Selective subjects in group A: (Choose subjects in the below list: 08 credits)***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course title** | **Credit** | **Note** |
| 1 | PRAN321106 | Project Analysis and Evaluation | 2 |  |
| 2 | ECOM431308 | E-commerce | 3 |  |
| 3 | APCM230307 | Applied informatics | 3 (2+1) |  |
| 4 | TAPO330407 | Tax policy | 3 |  |
| 5 | CIMS330709 | CIM System | 3(2+1) |  |
| 6 | BAMA231209 | Basis Marketing | 3 |  |

***Selective subjects in group B: (Choose subjects in the below list: 06 credits)***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course title** | **Credit** | **Note** |
| 1 | SEMA320907 | Security Market | 2 |  |
| 2 | LSTR322109 | Strategic Management in Logistics | 2 |  |
| 3 | ORBE320106 | Organization Behavior | 2 |  |
| 4 | CUSM321006 | Customer Relationship Management | 2 |  |

**C- Interdisciplinary knowledge:**

Students can choose 6 interdisciplinary credits to replace specialized courses in electives:

* Read a list of suggested subjects in the Appendix
* Students can choose courses that are not from the recommended list, but the courses should support future career development. Students are advised to ask for more advice from the Advisory Board to make a suitable choice.

**D – Massive Open Online Courses (MOOC)**

In order to facilitate increased access to advanced training programs, students can choose their online courses suggested in the following table to be considered equivalent to the subjects included in the training program:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course code** | **Course tittle** | **Credit** | **MOOC** (link) |
|  | LOMA322509 | Logistics Management | 2 | Supply chain logistic<https://www.coursera.org/learn/supply-chain-management-strategy> |
|  | LSTR322109 | Strategic Management in Logistics | 2 | Supply chain management strategy: <https://www.coursera.org/learn/supply-chain-management-strategy> |
|  | ORBE320106 | Organization Behavior | 2 | [Psychology at Work](https://www.coursera.org/learn/work-psychology)<https://www.coursera.org/learn/work-psychology> |
|  | BPLA121808 | [Innovation Management](https://www.coursera.org/learn/innovation-management) | 2 | [Innovation Management](https://www.coursera.org/learn/innovation-management)https://www.coursera.org/learn/innovation-management |

**8. TEACHING PLAN**

Regarding courses that are not included in the teaching plan, the Faculty of Economics will open classes in semesters for students according to their study plans:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | LLCT130105 | Philosophy of Marxism and Leninism | 3 |  |
|  | LLCT120205 | Political Economics of Marxism and Leninism | 2 |  |
|  | LLCT120405 | Scientific socialism | 2 |  |
|  | LLCT120314 | Ho Chi Minh’s Ideology | 2 |  |
|  | LLCT220514 | Revolutionary Direction of the Communist Party of Vietnam | 2 |  |
|  | GELA220405 | General Laws | 2 |  |
|  | PHED110513 | Physical Education 1 | 1 |  |
|  | PHED110613 | Physical Education 2 | 1 |  |
|  | PHED130715 | Physical Education 3 | 3 |  |
|  | ENCS140026 | English 1 | 4 |  |
|  | ENCS240026 | English 2 | 4 |  |

**Semester 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | MATH132701 | Mathematics for Economics 1 | 3 |  |
|  | GELA220405 | General Laws | 2 |  |
|  | LOSU130109 | Introduction to Logistics and Supply Chain Management | 3 (2+1) |  |
|  | ECON240206 | Principles of Economics | 4 |  |
|  | FUMA230806 | Fundamental Management  | 3 |  |
| **Total** | **15** |  |

**Semester 2:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | MATH132801 | Mathematics for Economics 2 | 3 |  |
|  | MAOP230706 | Optimization | 3 |  |
|  | BCOM320106 | Business Communication | 2 |  |
|  | TLAW322209 | Logistics Law | 2 |  |
|  | LLCT130105 | Philosophy of Marxism and Leninism | 3 |  |
|  |  | **Choose 1 course in fundamental**  **course** | 2 |  |
| **Total** | **15** |  |

**Semester 3:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | MATH132901 | Applied Probabilities and Statistics | 3 |  |
|  | RMET220406 | Academic Research methods  | 2 |  |
|  | PRAC230407 | Principles of Accounting | 3 |  |
|  | PROC330109 | Procurement | 3 |  |
|  | MAIS430306 | Management Information Systems | 3 |  |
|  |  | **Choose 1 course in Selective course (group A)** | 3 | Information technology |
| **Total** | **17** |  |

**Semester 4:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | FTRO432109 | Foreign Trade Techniques | 3 |  |
|  | TERM432609 | Terminal-Port Management and Operation | 3 |  |
|  | DANA230706  | Data Analysis | 3 |  |
|  | ERPS431208 | Enterprise Resource Planning (ERP) | 3  |  |
|  | LOMA322509 | Logistics Management | 2 |  |
|  | INBU220508 | International Business | 2 |  |
|  |  | **Choose 1 course in Selective course (group A)** | 2 |  |
| **Total** | **18** |  |

**Semester 5:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | OPMA431909 | Operation Management | 3 |  |
|  | INSU322409 | Insurance | 2 |  |
|  | ELOG332509 | E-Logistics | 3 |  |
|  | FIMA430807 | Financial Management | 3 |  |
|  | SERM322009 | Service Marketing | 2 |  |
|  |  | **Choose 1 course in Selective course (group A)** | 3 |  |
|  |  | **Choose 1 course in Selective course (group B)** | 2 |  |
| **Total** | **18** |  |

**Semester 6:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | LOPA431409 | Cargo Unitization and Packaging | 3 | Cooperate with businesses operating in the industry |
|  | CUST432109 | Customs Cargo Declaration | 3 | Cooperate with businesses operating in the industry |
|  | CARG432809 | Cargo | 3 |  |
|  | TMAN431509 | Transportation Management | 3 |  |
| 1. 5
 | PRAT421809 | Practice in Enterprises | 2 |  |
| 1. 6
 |  | **Choose 2 courses in Selective course (group B)** | 4 |  |
| **Total** | **18** |  |

**Semester 7:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | DEMA431609 | Warehouse Management | 3 | Cooperate with businesses operating in the industry |
|  | SCMA430709 | Supply Chain Management | 3 |  |
|  | SSEN321809 | Enterprise Seminar | 2 |  |
|  | INTE421109 | Internship | 2 |  |
| **Total** | **10** |  |

**Semester 8:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Course Code** | **Course Title** | **Credit** | **Note** |
|  | LSCM461409 | Graduation Thesis | 6 |  |
| **Total** | **6** |  |

**9. Course descriptions and corresponding number of credits**

**9.1 Applied Statistics and Probability Number of credits: 03**

**9.2. Principles of Marxism - Leninism Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: The course consists of 3 chapters. Chapter 1 presents general features and principles of philosophy, Marxist-Leninist philosophy and its roles in philosophy. Chapter 2 presents knowledge of dialectical materialism, including debates on materialism and consciousness, materialistic dialectic, and cognitive theory of dialectical materialism. Chapter 3 presents the principles of historical materialism, including socio-economic formation, debates on social classes and ethnicity, government formation and social revolution, social consciousness, human philosophy.

**9.3. Political Economics of Marxism and Leninism Number of credits: 02**

**9.4. Scientific socialism Number of credits: 02**

**9.5. Ho Chi Minh’s Ideology Number of credits: 02**

**9.6. Revolutionary Direction of the Communist Party of Vietnam Number of credits: 02**

**9.7. General Law Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: None

Course summary: Law is a system of obligatory regulations and is promulgated by the governments. The provisions of laws have various influences on societies and economies. Therefore, each citizen has the responsibility to comply with the laws and regulations. The course provides fundamental knowledge of governments and law. Students are equipped with knowledge about legal concepts and terms of different types of law, as well as the structure and function of Vietnam’s Government System; this is to help students to be involved in legal relations actively and effectively.

**9.8. Mathematics for Economics 1 Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite:

Course summary: The course provides basic knowledge of mathematical tools commonly used in economic modelling; some of these mathematics tools include matrixes, determinants, systems of linear equations, vector space Rn, quadratic form, and differentiation of functions of one variable. The course also provides applications of mathematics in Economics.

**9.9. Mathematics for Economics 2 Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: Mathematics for Economics 1

Course summary: The course covers advanced knowledge of mathematical tools commonly used in economics; some of these mathematics tools include multivariable differential calculus, single-variable functional integrals (indeterminate product, definite integral, generalized integral), differential equations hierarchy 1 & 2. The course also provides applications of advanced mathematics in Economics.

**9.10. Applied Information Technology Number of credits: 03**

* Learning time allocation: 3(2/1/6)
* Prerequisite: None

Course summary: The course covers basic knowledge of computer software applications for logistics services and general business activities. Students can practice working on computer software for different parts of enterprises’ business. The course is designed to help students to apply information technology and to perform more efficiently at work.

**9.11. Introduction to Logistics and Supply Chain Management Number of credits: 03**

* Learning time allocation: 3(2/1/6)
* Prerequisite: None

Course summary: The course is designed to equip students with essential knowledge about the major of Logistics and Supply Chain Management as well as certain general understandings of the Faculty and the University. The course also equips students with methods of efficient studying at the university level and necessary skills for future work.

**9.12. Optimization Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: Mathematics for Economics 1 & 2

Course summary: The course introduces students to practical problems and the application of linear programming models in practical problem-solving. The course focuses on monomorphic algorithms at different application levels and the dual theory. The application section of linear programming is also provided to illustrate applications of linear programming.

**9.13. Cargo** **Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: The course is designed to provide students with basic knowledge about goods in order to help students understand, distinguish and classify various types of goods during transportation and storage, and avoid damage and loss. Additionally, students can learn how to ensure quality of goods and enhance the value for customers and businesses.

**9.14. Insurance Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: None

Course summary: The course provides fundamental knowledge about different types and characteristics of transport modes in import and export business corresponding to each type of goods. Additionally, the course also provides knowledge of import-export cargo insurance based on types of transport; this is to help students to understand the role of insurance in transporting goods in international trade.

**9.15. Principles of Economics Number of credits: 04**

* Learning time allocation: 4(4/0/8)
* Prerequisite: None

Course summary: The course provides students majoring in economics with fundamental economic principles; this helps students to analyze economic activities in a market economy from a micro as well as a macro perspective. With fundamental economic knowledge provided by the course, students will have a dynamic and systematic view of economic activities in a market economy under government control. Therefore, students can apply economic principles in specific situations.

**9.16. Principles of Accounting Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: Principles of Economics

Course summary: The course aims to equip students with the most basic knowledge of accounting as a corporate management tool. Students are provided with basic accounting theories and principles, objectives, methods, and basic practical steps in an accounting cycle. Practical corporate accounting examples are also provided to help students to be familiar with accounting vouchers, bookkeeping, simple accounting reports, etc.

**9.17. Logistics Law Number of credits: 04**

* Learning time allocation: 3(3/0/6)
* Prerequisite: General Law

Course summary: The course provides students with fundamental knowledge about the philosophy, nature, roles and functions of logistics law in logistics, and transportation services within international trade. The course will also help students identify the close relationship between law and economics. Accordingly, the law system is considered as a cost factor of business. With the aim of creating a learning environment from practical experience and a set of real-life situations, the course of Logistic Law will provide learners with foundational knowledge of philosophies, legal principles in general law system and specific logistical transportation law. These theories include the doctrine of property rights, doctrine of business freedom, competition theory, transaction cost theory, legal entity doctrine, limited liability, the theory of delegation and operations, freedom of contract, asymmetric information correction and risk management, etc.

**9.18. Fundamental Management Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: Effective management in organizations is essential in an industrialized society, because managers must exercise decision makings regarding corporate management, human resources, materials, technology, and capital. This course will portray a realistic picture of what a manager needs to do to ensure effective corporate management. Furthermore, the course will also identify the skills that managers must apply to achieve important goals and standards by providing background knowledge on a wide range of topics. This includes planning, organizing, leadership, and decision-making within any organization.

**9.19. Data Analysis Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: Econometrics, Academic Research methods

Course summary: The course aims to introduce applied statistics and probability in business through exercises and real-life business projects. After the course completion, students will know how to apply applied in practice. Students will learn descriptive statistics to familiarize themselves with methods of data collection, arrangement, presentation, etc. There are also regression methods to help students to use statistical tools for quantitative decision makings in business; this includes hypothesis testing, linear regression, etc. To study well in this subject, students need to have a basic understanding of EXCEL and teamwork.

**9.20. Logistics Management Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: None

Course summary: The course provides the most basic knowledge about logistics with relevant service management and planning at logistics service and multimodal transport enterprises. Due to the association of this service industry with import-export business and transportation of goods, effective logistics management requires a broad vision and connection between factors to bring about high efficiency and the best value to customers.

**9.21. Logistics Management Number of credits: 03**

* Learning time allocation: 3(3,0,6)
* Prerequisite: None

Course summary: The course provides background knowledge to help students understand the rationale, implementation, and operation of multimodal transportation. The course also covers the topics of current market structure and legal regulations regarding multimodal transportation, the relationship between important factors such as logistics, supply chain, Hub & Spoke, distribution center, multimodal transportation network, etc. Finally, students will also learn the principles of multimodal Transportation Management, KPIs, scorecarding, benchmarking, and EDI.

**9.22. Principles of Marketing Number of credits:03**

* Learning time allocation: 3(3,0,6)
* Prerequisite: None

Course summary: The course Principles of Marketing introduces students to modern business philosophies and principles of marketing to participate in the market economy. Students will learn to select and analyze potential markets, understand and implement marketing strategies through 4 tools of Marketing Mix: Product, Price, Distribution, and Promotion.

**9.23. Introduction to Quality Management Number of credits:02**

* Learning time allocation 2(2,0,4)
* Prerequisite: Fundamental Management

Course summary: The course covers basic concept of quality, quality management, and related systems. The course also provides several tools and techniques of quality management to inspect and improve quality of production firms and service suppliers.

**9.24. Management of Information System Number of credits:03**

* Learning time allocation: 3(3,0,6)
* Prerequisite: Fundamental Management, Foundation of Information Technology

Course summary: The course provides students with general knowledge of information technology, components, and types of information systems. Based on the introduced information technology, students have the ability to develop appropriate information technology strategy for firm management to enhance competitive competency.

**9.25. Procurement Number of credits: 03**

* Learning time allocation: 3(3,0,6)
* Prerequisite: None

Course summary: The course covers the following topics: Understanding demand, locating and selecting suppliers, negotiation of price and contract terms, and final delivery. In addition, purchasing includes storing, transporting, receiving, and inspecting goods

**9.26. Project Analysis and Evaluation Number of credits: 03**

* Learning time allocation: 3(3,0,6)
* Prerequisite: Quantitative Methodology and Statistics, Fundamental Management

Course summary: The course provides financial knowledge and methodologies in project management; The course covers topics such as project analysis and selection, planning and development, monitoring and control, and problem-solving skills in the management process. In addition, the course also introduces related software to improve the efficiency of project management.

**9.27. Business Planning Number of credits: 02**

* Learning time allocation: 2(2,0,4)
* Prerequisite: None

Course summary: The course provides students with knowledge and skills in corporate planning. The course provide the necessary knowledge for students to synthesize and develop business plans based on corporate core business; the students can also learn to determine business and market targets, conduct corporate operations and evaluations, financial management, and business projections. The course is designed for students to take advantage of business opportunities and minimize potential risks. Information gathering for business planning as covered in the course also helps students to recognize the connection among other courses of the curriculum, the collaboration among corporate departments, and the relationship between theories and practice.

**9.28. Supply Chain Management Number of credits: 03**

* Learning time allocation: 3(3,0,6)
* Prerequisite: Principles of Marketing

Course summary: The course introduces fundamental concepts, functions, desired targets, related methodologies, technologies, and effective supply chain system designs. The course is designed for students to have a general view before learning specialized concepts of supply chain management. The emphasis is to help students to gain new insights and to understand supply chain management as a profession in this current economic development stage.

**9.29. Financial Management Number of credits: 03**

* Learning time allocation: 3(3,0,6)
* Prerequisite: Principles of Accounting

Course summary: The course provides students with fundamental concepts, principles, and techniques of financial management from the point of view of CFO's decisions. This includes investment, funding, and dividends. Students are introduced to the major issues that a CFO faces in a company. Key topics include information asymmetry, representation, break-even analysis, investment decision-makings in internationalization conditions, capital structure, corporate valuation, capital mobilization, managing working capital and financial planning.

**9.30. Customs Cargo Declaration Number of credits: 02**

* Learning time allocation: 3 (3, 0, 6)
* Prerequisite: None

Course summary: The course provides students with the knowledge and skills related to ship agency, international forwarding, and customs declaration, especially cargo transport by sea and airline.

**9.31. Warehouse Management Number of credits: 02**

* Learning time allocation: 2 (2, 0, 4)
* Prerequisite: None

Course summary: The course provides students with a background in warehouse and inventory management; this includes warehouse classification, inventory analysis and warehouse selection, model selection approach, warehouse designs, inventory identification, projections of demand for materials, JIT inventory principle, and management platform inventory.

**9.32. International Business Number of credits: 02**

* Learning time allocation: 3 (3, 0, 6)
* Prerequisite: None

Course summary: The course provides students with basic knowledge about globalization, international business and multinational corporation, differences in international business environment and Strategies.

**9.33. Electronic Commerce Number of credits: 03**

* Learning time allocation: 3 (3, 0, 6)
* Prerequisite: None

Course summary: The course provides students with basic knowledge about internet technology, e-commerce development and common e-commerce models in Vietnam, standard marketing strategies, and online payment. After completing the course, students can evaluate, organize and conduct business activities over the internet.

**9.34. Security Market Number of credits: 02**

* Learning time allocation: 2 (2,0,4)
* Prerequisite: None

Course summary: The course provides students with basic knowledge about securities and the stock market - one of the most important capital mobilization channels. Students are presented with fundamental theories of securities and the stock market, including concepts of stocks, bonds, investment fund certificates, and derivatives. The course also introduces students to the roles and functions of market participants, such as the State Securities Commission, Securities Depository Center and securities companies.

**9.35. Customer Relationship Management Number of credits: 02**

* Learning time allocation: 2 (2,0,4)
* Prerequisite: None

Course summary: The course provides students with basic knowledge of customer relations, benefits of effective business-customer relationships, and methods of creating and maintaining long-term customer loyalty with businesses. This course is designed to improve the effectiveness of marketing activities for students.

**9.36. Corporate Culture Number of credits: 02**

* Learning time allocation: 2 (2,0,4)
* Prerequisite: None

Course summary: The course provides students with basic knowledge of corporate culture and its roles in corporate formation and development. The course also provides theories, practical knowledge, and other profound aspects of corporate culture. From there, students can build an effective corporate culture as a member or corporate consultant.

**9.37. Business Communication Number of credits: 02**

* Learning time allocation: 2 (2,0,4)
* Prerequisite: None

Course summary: The course equips students with the knowledge of business communication and related psychological mechanisms; this helps students to effectively deal with different psychological patterns of clients, employees and managers. Students will be taught in theories and practice in common situations through teamwork and public presentation; this is to develop students’ ability to confidently conduct a conversation. From this, students can clearly understand there is a strong sense of need for self-training in the art of communication to prepare for integration in a dynamic business environment.

**9.38. Foreign Trade Techniques Number of credits: 03**

* Learning time allocation: 3(3,0,6)
* Prerequisite: None

Course summary: The course provides students with basic knowledge of foreign trade, such as international trade conditions, standard international payment methods, common issues in foreign trade contracts, contract negotiation and performance. Students also learn to deal with arising situations related to foreign trade activities. In addition, students also practice the preparation of international payment documents related to import and export activities of enterprises.

**9.39. History of Economics Doctrine Number of credits: 02**

* Learning time allocation: 2 (2, 0, 4)
* Prerequisite: None

Course summary: The course introduces students to the ideas, views, historical and fundamental economic doctrines as representatives throughout each important period of modern history. Students will also learn and understand the process of creation, the interdependent struggle between the doctrines, and the meaning of each economic theory.

**9.40. Logistics Strategic Management Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: Fundamental Management, Principles of Marketing, Financial Management

Course summary: Logistics strategic management considers the operation of logistics service enterprises, issues of strategy formulation and implementation from business directors’ point of view. Strategic management in logistics provides an overview framework for effective corporate management and its functions. Those planning a career in senior management, SME owners, or functions will find the course useful in improving organizational effectiveness.

**9.41. Enterprise Resource Planning Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: The course provides basic concepts and functions of enterprise resource planning (EPR). Students also learn practical ERP applications, such as simple order tracking, inventory management, production, supply chain management, financial management (both accounting and tax), and human resource management.

**9.42. Cargo Unitization and Packaging Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: The course provides basic knowledge of packaging and handling techniques to meet the requirements of the supply chain according to the following criteria: Cargo safety, containment information, and commercial support. The course will provide in-depth knowledge on packaging and handling techniques for each specific mode of transport: Air, marine, road, rail, oversized and overweighted cargo, in warehouses, and for certain types of special goods.

**9.43. Practice in Enterprises Number of credits: 02**

* Learning time allocation: 2(2/0/4)

**9.44. CIM System Number of credits: 03**

* Learning time allocation: 3(2/1/6)
* Prerequisite: None

Course summary: The course introduces students with basic knowledge about computer applications to simulate production and service processes before practical implementation for corporate operations. Students can apply CIM System to save a significant amount of time and money.

**9.45. Operation Management Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: Operational management is one of the main functions of any enterprise. Therefore, operation management plays an important role for enterprises, as it not only affects production costs but also product and service quality. In turn, this will determine sales, profits and corporate development. The course will equip students with foundational knowledge of operational management in enterprises. The course will provide management concepts and processes, relevant knowledge and skills in demand forecasting, raw material supply, inventory management, plant capacity planning, business positioning, etc. The course is designed to help students to master operation management theories and apply theories in practice in manufacturing and service-providing enterprises.

**9.46. Service Marketing Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: None

Course summary: The course provides basic knowledge of service, service marketing and related theories. The course aims at helping students to understand and implement Marketing Mix Strategy through 7 tools: Product, Price, Distribution, Promotion, Facilities, People (Servants), and Service Process.

**9.47. Business Psychology Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: None

Course summary: The course provides basic knowledge of human psychology as part of corporate management objectives. The course introduces the psychological life of the individual, including Psychological processes, states and properties with their corresponding characteristics and mechanisms. The course aims at helping students to apply basic psychological knowledge to carry out enterprises’ core businesses in a more efficient manner; this includes human resources management, financial management, marketing, employee training, etc.

**9.48. Presentation Skills Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: None

Course summary: The course of Presentation Skills provides basic methods and skills to create and deliver an effective presentation. Public speaking has become a must for the success of a modern economist. It is a fact that most students experience fear during any presentation process. It takes good presentation skills to win over oneself. This course will help students to build an inspirational presentation script, stress management, and create a compelling style for the message that is meant to be conveyed to the crowd.

**9.49. Terminal-Port Management and Operation Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: The course provides basic knowledge of the roles and operating principles of stations and ports. The course provides practical guide to planning and operating activities at terminals and ports. Additionally, students learn to analyze the production activities of the terminals and ports through the system of operating indicators. Finally, students are equipped with the ability to calculate and guide the arrangement of loading and unloading goods at the warehouse through various options.

**9.50. E-Logistics Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: The course provides basic knowledge of E-Logistics, including definition, roles and functions. E-Logistics is defined as activities to support the movement of goods from the beginning supply destination to the final consumption destination through electronic purchases. Students will distinguish the most notable difference between E-logistics and traditional logistics is that the implementation of input logistics (procurement) and output logistics (fulfillment) are automatically handled by relevant information technology; E-Logistics can satisfy a large number of orders up to millions of orders per day, hundreds of thousands of categories of goods with fast delivery in just 1-2 hours and with high accuracy.

**9.52. Academic Research methods Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: None

Course summary: The course provides basic knowledge of scientific research; the course aims at developing students' scientific thinking, analysis, and evaluation skills. In addition to basic theories and methodologies, students also practice a specific research topic related to logistics and supply chain management. At the end of the course, students can formulate a complete detailed outline.

**9.52. Tax Policies Number of credits: 03**

* Learning time allocation: 3(3/0/6)
* Prerequisite: None

Course summary: The course provides fundamental knowledge of Taxation, including tax characteristics, nature, and classification. The course is designed to help students to understand and apply basic knowledge along with current Tax Laws regarding tax periods, taxable objects, tax bases and rates. Additional concepts are also provided, such as methods of tax calculation and declaration for import-export goods, special consumption, added value, corporate income, personal income, and contractor tax. These fundamental concepts serve as a basis for a broader and more in-depth study of other taxes and expenditures.

**9.53. Final Internship Number of credits: 02**

* Learning time allocation: 2(2/0/4)
* Prerequisite: Fourth-year students

Course summary: Each student is required to register for relevant topics related to logistics and supply chain management and approved by the Department of Logistics, then participate in internships at companies under the guidance of a lecturer assigned by the Faculty. The Final Internship helps students to understand the organizational structure of an enterprise and its departments, and know how to formulate and present a graduate internship report.

**9.54. Graduation Thesis/Final Exam Number of credits: 06**

* Learning time allocation: 5(5, 0, 20)
* Prerequisite: Forth-year students

Course summary: The Graduation Thesis and Graduation Examination are designed to improve and enhance the knowledge acquired from the program.

**10. Facilities for education purposes**

In accordance with current regulations of the Ministry of Education and Training. **10.1 Workshops, laboratories and important equipment systems**

Accounting students will mainly use computer labs for their courses, such as the following rooms: A2-101A, A2-101B, A3-101, A-102, A3-103, A3-104, A3- 105, A5-102A, A5-102B, A4-101, A4-102.

**10.2. Libraries and related websites**

* Ho Chi Minh City University of Technology and Education – Library: <http://thuvien.hcmute.edu.vn/>
* Ho Chi Minh City University of Technology and Education - Faculty of Economics: <http://www.hcmute.edu.vn/>
* Vietnam National University - Library: [www.vnulib.edu.vn](http://www.vnulib.edu.vn)
* Ho Chi Minh City University of Economics - Library: [www.lib.ueh.edu.vn](http://www.lib.ueh.edu.vn)
* National Economics University - Library: [www.lic.neu.edu.vn](http://www.lic.neu.edu.vn)
* Ho Chi Minh City University of Technology and Education - Journal of Technical Education and Science: [www.tapchikhgdkt.hcmute.edu.vn](http://www.tapchikhgdkt.hcmute.edu.vn)
* Journal of Economics and Development: [www.tcptkt.ueh.edu.vn](http://www.tcptkt.ueh.edu.vn)
* Journal of Science: [www.tckh.ou.edu.vn](http://www.tckh.ou.edu.vn)
* Saigon Times Group: [www.thesaigontimes.vn](http://www.thesaigontimes.vn)
* Law Library: <http://thuvienphapluat.vn/>
* Legal documents: <http://www.vanbanphapluat.com/>
* Vietnam Federation of Accountants and Auditors: [www.vaa-hcmc.org.vn/](http://www.vaa-hcmc.org.vn/)
* Journal of Accounting: [www.tapchiketoan.com/](http://www.tapchiketoan.com/)
* Vietnam Association of Certified Public Accountants: [www.vacpa.org.vn/](http://www.vacpa.org.vn/)
* The State Bank of Vietnam: [www.sbv.gov.vn/](http://www.sbv.gov.vn/)

**11. Instructions of curriculum conduct**

1. The curriculum is implemented according to Ho Chi Minh City University of Technology and Education’s regulations of the current credit-based education system and the Ministry of Education and Training’s current credit system.

Scheduled hours are as follows:

 1 credit = 15 hours of theory teaching or class discussion

 = 30 hours of experimentation or other types of practice

 = 45 self-study hours

 = hours of on-site internship.

 = 45 ÷ 60 hours of project implementation, graduation thesis

The number of course hours is a multiple of 15.

* The Graduation Examination is a combination of basic industry knowledge, industry knowledge and political subjects.
* The Graduation Thesis must focus on relevant types of applied research topics to solve a specific economic problem related to the field of study.
* The order of implementation of teaching modules must ensure the logic of transmitting and absorbing knowledge arrays; training institutions need to prescribe prerequisite courses for subsequent courses in the curriculum.
* Regarding course content: The content in the outline is the core content of each course. Depending on the specific major, it is possible to add more content or duration to a certain course.
* Regarding the number of lessons of the module: In addition to the teaching time in class according to the teaching plan of each course, the Faculty will stipulate the number of self-study periods for students to consolidate the knowledge they have learned in each course.
* The requirements and forms of exercises of each course are determined by the responsible lecturers to help students master theoretical knowledge and practice essential skills.

All courses must have pre-printed textbooks or lectures, reference materials, tutorials, etc; these documents are to be provided to students. Depending on the actual conditions of the university, the responsible lecturer will determine the proper transmission methods, class presentation, and guide the problem-solving discussion or other teamwork in the class.

b. The foreign language standards are decided by the Academic Council of the University at the beginning of course enrollment. During the study period, the University will control the development of students' foreign language proficiency over each academic year to decide the number of credits in the semester students are allowed to register. Students can study on their own or register for a foreign language development program according to the University's project.

**Principle Head of Faculty**

**APPENDIX OF INTERDISCIPLINARY COURSES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Code** | **Course title** | **Number of credits** | **Prerequisite conditions** |
| 1 | IQMA220205 | Introduction to Quality Management | 2 |  |
| 2 | BPLA420606 | Business Planning | 2 |  |
| 4 | BPLA121808 | Entrepreneurship Planning | 2 |  |
| 5 | MAMA330906 | Marketing Management | 2 |  |