

MINISTRY OF EDUCATION AND TRAINING
LAC HONG UNIVERSITY

COURSE SYLLABUS

<125087– RESEARCH METHODOLOGY>

1. GENERAL INFORMATION

Course title (Vietnamese):	Phương pháp nghiên cứu khoa học
Course title (English):	Research Methodology
Course code:	125087
Knowledge block:	Major Administration International
Faculty/Department in charge:	Economics Dương Thị Phương Hạnh
Instructor in charge	(hanhntp@lhu.edu.vn) Trần Thị Mỹ Hương
Participating instructors	(huongttm@lhu.edu.vn)
Number of credits:	2
Theory:	1
Practice:	0
Exercises:	1
Course nature:	Compulsory for students

2. COURSE DESCRIPTION

This course equips learners with fundamental knowledge of scientific research in the field of business administration. The course content includes: An overview of scientific research; Defining research problems, objectives, questions, and hypotheses; Constructing theoretical frameworks and research models; Designing research proposals and selecting appropriate data collection methods (qualitative and quantitative); Complying with ethical and legal standards in research, particularly in the honest citation and use of references

3. COURSE LEARNING OUTCOMES

Table 1: Course Learning Outcomes (CLOs)

CLO	Description of Learning Outcomes	Level (Bloom)	PLO
CLO1	Apply the fundamental knowledge of the course to present theoretical frameworks	Knowledge (3)	PLO1 (PI1.2)

	and construct detailed research proposals in business.		
CLO2	Perfect oral communication skills when reporting scientific research proposals in business.	Skills (3)	PLO6 (PI6.1)
CLO3	Demonstrate ethics in scientific research through honest citation and use of references.	Attitude (2)	PLO8 PI8.1

4. COURSE CONTENT AND TEACHING PLAN

Table 2: Course content and lesson pla

Week	Chapter	Title of the Lesson/ Chapter	Lesson Learning Outcomes (LLO)		Teaching and Learning Activities	Teaching Methods	Assessment Methods	References
1	Chapter 1	Overview of Science and Scientific Research 1.1 Definition of Science & Scientific Research 1.2 Basic Characteristics of Scientific Research 1.3 Functions of Scientific Research 1.4 Classification of Scientific Research 1.5 Quality Criteria for a Scientific Research Project	LLO1.1	Present basic concepts of science and research.	In-class: Instructor introduces course overview, regulations, and roadmap. Students listen and ask questions. At home: Pre-read materials in the textbook; Identify research problems.	- Lecture - Socratic Questioning	- Short-answer Test - Multiple-choice Test - Essay Examination	[1], [4]
			LLO1.2	Apply concepts to analyze quality criteria of a research project.				

2	Chapter 2	Identifying Research Problems 2.1 Identifying Research Problems 2.2 Research Objectives 2.3 Developing Research Hypotheses 2.4 Research Subjects 2.5 Research Scope 2.6 Research Methods 2.7 Research Significance	LLO2.1	Apply knowledge to identify research problems.	In-class: Instructor lectures and guides students in identifying research problems and group discussion to select a topic. At home: Research materials in the textbook.	- Lecture - Socratic Questioning - Group Discussion	- Oral Presentation - Essay Examination	[1], [4]
3, 4	Chapter 2 (cont.)	2.8 Constructing a Scientific Research Proposal Topic Name Rationale for Choosing the Topic Literature Review of Related Research Research Objectives and Tasks Research Subjects and Scope Research Methods Expected Layout of the Topic References Expected Results of the Topic Project Implementation	LLO2.2	Describe research proposal contents. Perfect oral communication skills when reporting a preliminary proposal.	In-class: Instructor lectures and guides proposal building. Students practice writing rationale, objectives, and scope in groups. At home: Complete the preliminary research proposal.	- Lecture - Group Discussion	- Oral Presentation - Essay Examination	[1], [4]

		Plan Expected Table of Contents						
5	Chapter 2 (cont.)	2.9 Scientific Research Implementation Process Identifying and Describing Research Problems Literature Review Developing Research Hypotheses Constructing the Research Proposal and Plan Sampling, Data Collection, and Processing Testing Hypotheses Writing the Research Report	LLO2. 3	Apply the correct research process to implement steps for the group's topic.	In-class: Instructor lectures and guides implementation steps. Group discussion on scheduling and progress planning. At home: Synthesize the theoretical framework.	- Lecture - Socratic Questioning - Group Discussion	- Oral Presentation - Essay Examination	[1], [4]
6, 7	Chapter 3	Synthesizing Theoretical Framework Concepts and Purposes of Theoretical Framework Research Requirements for Constructing a Theoretical Framework Objectives of Constructing a Theoretical Framework Sources for Constructing a Theoretical Framework Research Model	LLO3. 1	Apply literature synthesis skills to build a theoretical framework through honest citation.	In-class: Instructor lectures and guides theory-building. Group discussion on synthesizing the framework for the group project.	- Lecture - Socratic Questioning - Group Discussion	- Oral Presentation - Essay Examination	[1], [3]

8	Chapter 4	Sampling and Data Collection Secondary Data Primary Data Sampling Methods Sample Size	LLO4.1	Apply sampling knowledge to select methods and determine appropriate sample sizes.	In-class: Instructor lectures and guides on sampling knowledge. Discussion on Analyzing pros/cons of various sampling methods.	- Lecture - Socratic Questioning – Group Discussion	Essay Examination	[2], [3]
9, 10	Chapter 5	Writing and Presenting Research Results Steps in Developing a Scientific Research Manuscript Arranging the Layout of a Research Report Formatting the Reference List Presenting a Scientific Article	LLO5.1	Organize the layout of a scientific research report.	In-class: Instructor lectures on presenting results. Group discussion on citation and reference recording styles for the project.	Lecture	Essay Examination	[4]
11	Chapter 6	Evaluating Scientific Research Projects Purpose of Complying with Ethics in Scientific Research Requirements in Scientific Research Legal Assurance for Scientific Projects Evaluation Criteria for Research Results	LLO6.1	Demonstrate honesty and responsibility in complying with ethical standards.	In-class: Instructor lectures on the purpose of research ethics and criteria for evaluating projects.	Lecture	Essay Examination	[4]

5. MAPPING BETWEEN COURSE LEARNING OUTCOMES AND LESSON LEARNING OUTCOMES

Table 3: Mapping of CLOs and LLOs

Lesson/Chapter	Lesson learning outcomes	Course learning outcomes			Assessment Components
		CLO1	CLO2	CLO3	
Chapter 1	LLO1.1	x			A1, A3
Chapter 1	LLO1.2	x			A1, A3
Chapter 2	LLO2.1	x			A1, A3
Chapter 2	LLO2.1	x			A1, A3
Chapter 2	LLO2.2		x		A2
Chapter 2	LLO2.3	x			A1, A3
Chapter 3	LLO3.1			x	A2
Chapter 4	LLO4.1	x			A1, A3
Chapter 5	LLO5.1		x		A2
Chapter 6	LLO6.1			x	A2

6. COURSE ASSESSMENT

Table 4: Course Assessment

Assessment Components	Assessment Methods	CLOs	Weight (%)
A1. Continuous assessment	- Short-answer Test - Multiple-choice Test	CLO1	30
A2. Midterm	Oral presentation	CLO2, CLO3	30
A3. Final	Essay Examination	CLO1	40

7. COURSE REQUIREMENTS

Attendance: In accordance with the University's regulations.

Students must read and research course materials provided by the instructor before each class session on the Learning Management System (LMS - learn.lhu.edu.vn).

Completing homework on LMS, answering short-answer questions, and performing quick in-class exercises will earn bonus points added to the student's process grade (A1).

Fully implement all stages of group assignments according to the progress/schedule set by the instructor

8. LEARNING MATERIALS AND REFERENCES

8.1 Textbook

[1] Vũ Cao Đàm (2023), Scientific Research Methodology Textbook, Vietnam Education Publishing House.

8.2 References

[1] Le Van Huy, Truong Tran Tram Anh (2024), Research Methods in Business, Finance Publishing House.

[2] Nguyen Thanh Hoai & Truong Thi Vien (2023), Scientific Research Methods in Business.

[3] Vu Van Tuan (2022), Brief Overview of Steps in Scientific Research, Journal of Business and Technology, No. 19/2022, Hanoi Law University.

[4] Dinh Phi Ho (2021), Economic Research Methods and Writing Master's & Doctoral Dissertations, Finance Publishing House.

9. SOFTWARE OR PRACTICAL SUPPORT TOOLS

- Software: learn.lhu.edu.vn, App Me.lhu.edu.vn.
- Teaching Tools: Boards, chalk, microphones.

**Dean / Head of
Department**

Dong Nai, Date ... Month ... Year.....
Instructor in charge

Dương Thị Phương Hạnh