

DOCTOR OF PHILOSOPHY PROGRAM IN LOGISTICS AND SUPPLY CHAIN

■ COLLEGE OF LOGISTICS AND SUPPLY CHAIN

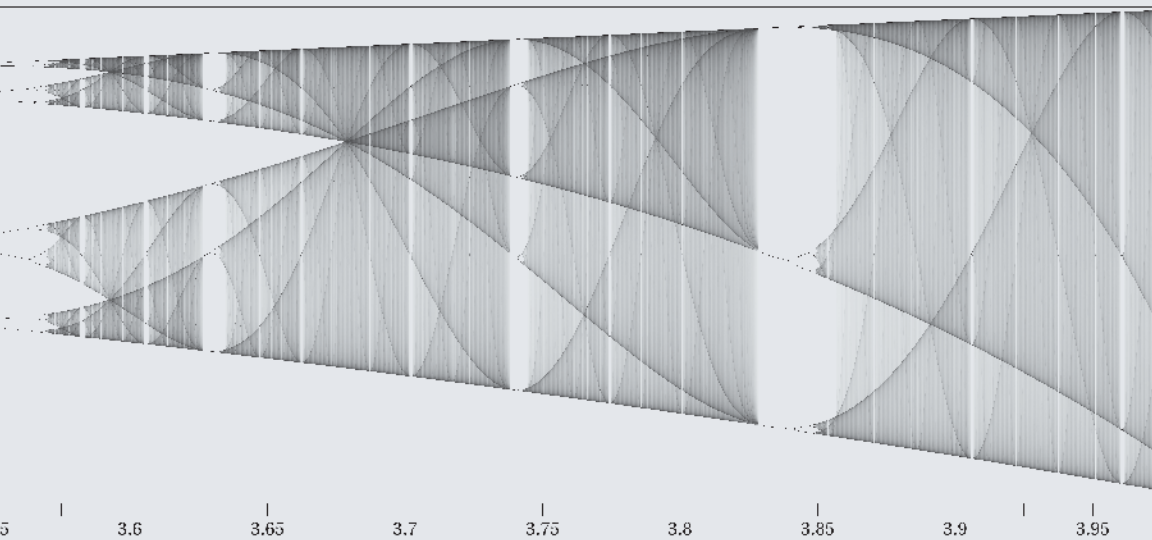
DOCTOR OF PHILOSOPHY PROGRAM IN LOGISTICS AND SUPPLY CHAIN

The College of Logistics and Supply Chain at Naresuan University is the first of its kind established in a government university in Thailand. The main purpose is to study, research, and provide services in the field of Supply Chain with the emphasis on multi-disciplinary areas.

Our college joins hands with outstanding associations and institutions in training needed professionals to enhance the demands of the approaching ASEAN Economic Community. Phitsanulok is a prime location as it is located at the Indo-China crossroad.

Among our partners are

- The Land Transport Association of Thailand
- Oxbridge College, Kunming University of Science and Technology, PRC
- Bijler and Bijler AG, Switzerland
- Guangxi University, PRC
- Sino-Thai Business Center at Nanning, PRC.



Objectives

Graduates of the Ph.D. program will be equipped to serve the world either through an academic or industry career. Specifically, the objectives are to instill the following characteristics in the students:

- Competent as a researcher in creating new knowledge in logistics and the supply chain at the international standard and able to apply it appropriately to the Thai context
- Expert in research operations beneficial to academic, business, and social settings
- Equipped with in-depth knowledge and practices of the field at the level of a trend setter and transformational leader
- Efficient and effective in applying theories into practices while upholding professional ethics.

Admission

In accordance with the Graduate School Rules and Regulations. The program committee reserves the rights to require more qualifications as deemed appropriate.

Medium of Instruction

Thai and English

Research Focus

- Analysis of impact from development projects on the national and international arenas
- Full cost of transport and price distortion
- Energy supply chain
- ASEAN Economic Community movements and policies regarding logistics and the supply chain

Requirement for Graduation

The program reserves the right to require non-credit courses or other academic activities with outcome-based assessments as follows:

- Participation in an academic seminar at a national or international level
- Publication of the dissertation or part of it in a journal within the ISI database or international journals.



Doctor of Philosophy Program in Logistics and Supply Chain

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Structure of the Program

1. Credit Requirements.

Requirements	Option 1.1	Option 2.1
Coursework	-	12
Core Course	-	6
Electives	-	6
Required Non-credit Course	3	3
Dissertation	48	36
Total	48	48

2. Core Courses

Requirements	Option 1.1		Option 2.1	
	Course No.	Credits	Course No.	Credits
Advance Strategic Supply Chain Management	-	-	911621	3
Operations Research for Logistics and Supply Chain Management	-	-	911622	3
Total	0	0	2	6

3. Electives

Requirements	Option 1.1		Option 2.1	
	Course No.	Credits	Course No.	Credits
Advance Strategic Management	-	-	911631	3
Advance Digital Simulation in Logistic and Supply Chain	-	-	911632	3
Advance Information Technology in Logistic and Supply Chain Management	-	-	911633	3
Advance Supply Chain Process Management	-	-	911634	3
Sustainable Supply Chain Management	-	-	911635	3
Selected Topic in Logistics and Supply Chain 1	-	-	911636	3
Selected Topic in Logistics and Supply Chain 2	-	-	911637	3
Selected Topic in Logistics and Supply Chain 3	-	-	911638	3
Total	0	0	8	≥6

4. Required Non-credit Course.

Requirements	Option 1.1		Option 2.1	
	Course No.	Credits	Course No.	Credits
Seminar in Logistics and Supply Chain 1	911611	1	911611	1
Seminar in Logistics and Supply Chain 2	911612	1	911612	1
Seminar in Logistics and Supply Chain 3	911613	1	911613	1
Total	3	3	3	3

5. Dissertation Credit Requirement.

Requirements	Option 1.1		Option 2.1	
	Course No.	Credits	Course No.	Credits
Dissertation 1,Type 1.1	911681	9	911681	9
Dissertation 2,Type 1.1	911682	9	911682	9
Dissertation 3,Type 1.1	911683	9	911683	9
Dissertation 4,Type 1.1	911684	9	911684	9
Dissertation 5,Type 1.1	911685	9	-	-
Dissertation 6,Type 1.1	911686	3	-	-
Total	6	48	4	36

Course Descriptions

911611 Seminar in Logistics and Supply Chains 1 1(0-2-1)

Discussion of interesting issues in logistics and supply chains in order to develop a thesis title and an analysis of the various literature reviews of journals and research studies composed of theories and concepts related to the thesis title.

911612 Seminar in Logistics and Supply Chains 2 1(0-2-1)

Discussion of research findings from fieldwork, application of concepts and theories studied in literature reviews including syntheses of the researcher and establishment and exchange of new bodies of knowledge at this stage before progressing to a dissertation defense.

911613 Seminar in Logistics and Supply Chains 3 1(0-2-1)

Discussion of research findings from fieldwork, application of concepts and theories studied in literature reviews including syntheses of the researcher and establishment and exchange of new bodies of knowledge at this stage before progressing to a dissertation defense.

911621 Advanced Strategic Supply Chain Management 3(2-2-5)

Developing skills to strategically manage the supply chain and develop supply chain strategy in line with a firm's strategy; understanding how to manage supply chain performance; and a study of drivers, such as inventory sourcing, human resource management, development, and transportation to support the supply chain strategy.

911622 Operations Research for Logistics and Supply Chain Management 3(2-2-5)

A study of the development and application of optimisation methods for logistics management including linear programming, nonlinear programming, combinatorial optimisation, stochastic processes, and simulation.

911631 Advanced Logistics Management**3(2-2-5)**

Discussion and exchange of ideas in class with experts on research studies and processes associated with theories and social phenomena leading to results and/or the development of bodies of knowledge; analysis and evaluation of research studies in logistics, transportation, inventory modeling, and legal and societal responsibility issues.

911632 Advanced Digital Simulation in Logistics and Supply Chains**3(2-2-5)**

An introduction to computer simulation during which a variety of topics in simulation will be discussed including the following: Monte Carlo simulation, event-oriented simulation, process-oriented simulation and continuous simulation, random numbers, pseudo random number generation, and tests for randomness; also development of practical processes using computer software.

911633 Advanced Information Technology in Logistics and Supply Chain Management**3(2-2-5)**

Conceptual designing, the validation, and verification of systems and informatics systems; process modeling concepts, such as swimlane and IDEFO discussed together with discussion and analysis of customer value creation processes; data base systems; concepts; design and object-oriented database models; and systems including related technologies in logistics and supply chains.

911634 Advanced Supply Chain Process Management**3(2-2-5)**

A study of process improvement to enhance competitive advantage, theory and practice in supply chain process improvement, and application of learning using a case study.

911635 Sustainable Supply Chain Management 3(2-2-5)

A study of integrating sustainability into managing the supply chain, including analysing an extended supply chain for its environmental and social impacts and how these impacts are linked to the supply chain's financial performance.

911636 Selected Topic in Logistics and Supply Chains 1 3(2-2-5)

Independent study in logistics and supply chains.

911637 Selected Topic in Logistics and Supply Chains 2 3(2-2-5)

Independent study in logistics and supply chains.

911638 Selected Topic in Logistics and Supply Chains 3 3(2-2-5)

Independent study in logistics and supply chains.

911681 Dissertation 1, Option 1.1 9 Credits

Undertaking research studies related to interesting issues in logistics and supply chains and developing them into a thesis title.

911682 Dissertation 2, Option 1.1 9 Credits

Developing the thesis title approved by the supervisor through examining and reviewing journals and research articles composed of concepts and theories related to the thesis title, analysing and synthesising the data, and writing them in academic form to demonstrate perfect understanding of the concepts and theories presented by the literature.

911683 Dissertation 3, Option 1.1 9 Credits

Selecting methodologies appropriate to the thesis title including approaches to access research resources and conducting fieldwork in real research sites in order to gain correct, precise, and reliable results and/or findings.

911684 Dissertation 4, Option 1.1**9 Credits**

Analysing and synthesising data or findings from the fieldwork research by applying concepts and theories studied in literature reviews, establishing a new body of knowledge from the findings, writing a research report including the student's syntheses as a completed thesis for presentation, and successfully completing a dissertation defense.

911685 Dissertation 5, Option 1.1**9 Credits**

Analysing and synthesising data or findings from the fieldwork research by applying concepts and theories studied in literature reviews, establishing a new body of knowledge from the findings, and successfully completing a dissertation defense.

911686 Dissertation 6, Option 1.1**3 Credits**

Analysing and synthesising data or findings from the fieldwork research by applying concepts and theories studied in literature reviews, establishing a new body of knowledge from the findings, writing a research report including the student's syntheses as a completed thesis for presentation, and successfully completing a dissertation defense.

911691 Dissertation 1, Option 2.1**6 Credits**

Undertaking research studies related to interesting issues in logistics and supply chains and developing them into a thesis title.

911692 Dissertation 2, Option 2.1**9 Credits**

Developing the thesis title approved by the supervisor through examining and reviewing journals and research articles composed of concepts and theories related to the thesis title, analysing and synthesising the data, and writing them in an academic form to demonstrate perfect understanding of the concepts and theories presented by the literature.

911693 Dissertation 3, Option 2.1**9 Credits**

Selecting research methodologies appropriate to the thesis title, including approaches to access research resources and fieldwork in real research sites in order to gain correct, precise, and reliable results and/or findings.

911694 Dissertation 4, Option 2.1**9 Credits**

Analysing and synthesising data or findings from the fieldwork research by applying concepts and theories studied in literature reviews, establishing a new body of knowledge from the findings, and successfully completing a dissertation defense.

911695 Dissertation 5, Option 2.1**3 Credits**

Analysing and synthesising data or findings from the fieldwork research by applying concepts and theories studied in literature reviews, establishing a new body of knowledge from the findings, writing a research report including the student's syntheses as a completed thesis for presentation, and successfully completing a dissertation defense.