

Doctor of Philosophy Program in Physical Education and Sports

Ph.D. (Physical Education and Sports)

Philosophy of the Program

Doctoral graduates in physical education and sports possess deep knowledge and expertise, capable of generating new bodies of knowledge or innovations that contribute to the development of society, the nation, and the global community.

Objectives of the Program

1) To produce doctoral graduates with knowledge and expertise in applying physical education and sports innovations, enabling them to lead in societal and national development and problem-solving.

2) To produce doctoral graduates capable of conducting research to create new bodies of knowledge or innovations with academic and research integrity, contributing to the development of society, the nation, and the global community.

Program Learning Outcomes (PLOs)

PLO1: Able to evaluate physical education and sports innovations for development and problem-solving accurately and creatively, demonstrating leadership in physical education and sports.

PLO2: Able to conduct research to generate new bodies of knowledge or innovations in physical education and sports in accordance with academic and research ethics, contributing to the development of society, the nation, and the global community.

The total number of credits required throughout the program

For the 3-year program, a minimum of 48 credits must be earned. The study plan options are as follows:

1. Plan 1.1: Thesis with a minimum of 48 credits.
2. Plan 2.1: Thesis with a minimum of 36 credits, and additional coursework of at least 12 credits.

Admission Requirements:

1. Admission is open to both Thai and/or international students who can communicate in both Thai and English.

2. For Plan 1.1, applicants must have a Master's degree or its equivalent in a field involving thesis work, with research experience related to physical education and sports after completing their Master's degree. Applicants must have at least one research project that has been published in a national or international academic journal. The applicant may be listed as the first author, corresponding author, or an essential intellectual contributor to the publication.

Educational Management System

The education system follows a semester-based structure, with the academic year divided into two regular semesters: the first semester and the second semester. Each regular semester lasts no less than 15 weeks of study.

First Semester: June - September

Second Semester: November - February

Summer Semester: March - May

Admission Qualifications:

1. Applicants must have a Master's degree or its equivalent and meet the English language proficiency requirements as outlined by the National Sports University regarding the English language proficiency standards for graduate students, as follows:

1) Applicants with the following English language test scores are eligible for admission without the need to take additional English language courses:

- TOEFL (Institutional Testing Program) score of at least 450
- TOEFL (Computer-based Test) score of at least 133
- TOEFL (Internet-based Test) score of at least 45
- IELTS score of at least 4.0
- CU-TEP score of at least 45
- TNSU English Test score of at least 50%

These scores must be from a test taken within the past 2 years.

2) Applicants with the following English language test scores must register for the course " HU 058056: English for Thesis Writing" and achieve an "S" symbol before graduation:

- TOEFL (Institutional Testing Program) score between 425-449
- TOEFL (Computer-based Test) score between 113-132

- TOEFL (Internet-based Test) score between 38-44
- IELTS score of 3.5
- CU-TEP score between 38-44
- TNSU English Test score between 45-49%

3) Applicants with the following English language test scores must register for both " HU 055021: English for Graduate Studies" and " HU 058056: English for Thesis Writing" and achieve an "S" symbol before graduation:

- TOEFL (Institutional Testing Program) score between 400-425
- TOEFL (Computer-based Test) score between 97-112
- TOEFL (Internet-based Test) score between 32-37
- IELTS score between 3.0
- CU-TEP score between 30-37
- TNSU English Test score between 35-44%

4) Applicants may be exempt from English language proficiency test scores if they have graduated from a country where English is an official language or from a program taught in English at a university accredited by the Civil Service Commission.

2.2.2 Applicants must not have any contagious diseases, social stigmas, or illnesses that hinder their studies.

2.2.3 Applicants must have good conduct.

2.2.4 Other qualifications as specified by the university.

Mode of Study

1. Classroom-based
2. Online Distance Learning
3. Hybrid & Blended Learning

Curriculum Structure

1) Plan 1.1	Not less than 48 credits
1.1) Compulsory major courses	(credits not counted)
PE 101003 Seminar in Physical Education and Sport 1	1(1-0-2)
PE 101004 Seminar in Physical Education and Sport 2	1(1-0-2)
PE 102005 Seminar in Physical Education and Sport 3	1(1-0-2)
1.2) Thesis	Required to complete 48 credits
PE 112003 Thesis	48 credits
2) Plan 2.1	Not less than 48 credits
2.1) Compulsory major courses	Required to complete 9 credits
PE 101003 Seminar in Physical Education and Sport 1	1(1-0-2)
PE 101004 Seminar in Physical Education and Sport 2	1(1-0-2)
PE 102005 Seminar in Physical Education and Sport 3	1(1-0-2)
PE 091032 Statistics and Research Design in Physical Education and Sport	3(2-2-5)
PE 091033 Innovative design in physical education and sports	3(2-2-5)
2.2) Elective major courses	Not less than 3 credits
PE 092034 Mixed-Method Research in Physical Education and Sport	3(2-2-5)
PE 092035 Multivariate Statistics for Data Analysis in physical education and sport research	3(2-2-5)
PE 092038 Teaching Strategy and Assessment in Physical Education and Sport	3(2-2-5)
PE 092040 Physical Activity development for quality of life	3(2-2-5)
PE 092042 Physical Education and sport Activity development for Special Population	3(2-2-5)
PE 092045 Digital Technology Development for Physical Education and Sport	3(2-2-5)
PE 092048 Physical Activity Physical literacy and Sports intelligence Assessment	3(2-2-5)
PE 092053 Strategy and Management for Wellness Reinforcement	3(2-2-5)
2.3) Thesis	Required to complete 36 credits
PE 112002 Thesis	36 credits
English for Graduate Studies	
HU 051021 English For Graduate Study	3(3-0-6)
HU 051056 English For Thesis Writting	3(3-0-6)

Study plan

1) Plan 1.1

The Doctor of Philosophy program in Physical Education and Sports (Plan 1.1) is a research-focused study plan involving a dissertation that generates new knowledge and research, without coursework. The program provides a dissertation registration plan (PE 112003, Thesis, totaling 48 credits), with credits available for registration in each semester in amounts of 3, 6, or 12 credits as follows:

First year: First Semester

Course Code	Subject	credits
1) Compulsory major courses		
PE 101003	Seminar in Physical Education and Sport 1	AU
2) Thesis		
PE 112003	Thesis	3
Total		3

First year: Second Semester

Course Code	Subject	credits
1) Compulsory major courses		
PE 101004	Seminar in Physical Education and Sport 2	AU
2) Thesis		
PE 112003	Thesis	3
Total		3

Second year: First Semester

Course Code	Subject	credits
1) Compulsory major courses		
PE 102005	Seminar in Physical Education and Sport 3	AU
2) Thesis		
PE 112003	Thesis	6
Total		6

Second year: Second Semester

Course Code	Subject	credits
2) Thesis		
PE 112003	Thesis	12
Total		12

Third year: First Semester

Course Code	Subject	credits
2) Thesis		
PE 112003	Thesis	12
Total		12

Third year: Second Semester

Course Code	Subject	credits
2) Thesis		
PE 112003	Thesis	12
Total		12

2) Plan 2.1

The Doctor of Philosophy program in Physical Education and Sports (Plan 2.1) is a research-focused study plan culminating in a high-quality dissertation. It requires at least 12 additional course credits. The program provides a dissertation registration plan (PE 112002, Thesis, totaling 36 credits), allocating 12 credits per semester for registration.

First year: First Semester

Course Code	Subject	credits
1) Compulsory major courses		
PE 091033	Innovative design in physical education and sports	3(2-2-5)
PE 101003	Seminar in Physical Education and Sport 1	1(1-0-2)
Total		4

First year: Second Semester

Course Code	Subject	credits
1.1) Compulsory major courses		
PE 091032	Statistics and Research Design in Physical Education and Sport	3(2-2-5)
PE 101004	Seminar in Physical Education and Sport 2	1(1-0-2)
Total		4

Second year: First Semester

Course Code	Subject	credits
1) Compulsory major courses		
PE 102005	Seminar in Physical Education and Sport 3	1(1-0-2)
2) Elective major courses		
PE xxxxx	3
Total		4

Second year: Second Semester

Course Code	Subject	credits
3) Thesis		
PE 112002	Thesis	12
Total		12

Third year: First Semester

Course Code	Subject	credits
3) Thesis		
PE 112002	Thesis	12
Total		12

Third year: Second Semester

Course Code	Subject	credits
3) Thesis		
PE 112002	Thesis	12
Total		12

Table 1: Conditions for Participation in Activities According to the Curriculum Activity Plan

Activity	Conditions
Activity 1: Foundation Enhancement and Knowledge Building	<ol style="list-style-type: none"> 1. Participate in the following topics organized by the program: - International research searching and systematic literature review activity - Research seminar in physical education and sports activity - Thesis topic design activity in accordance with physical education and sports research guidelines - English language skills enhancement activity for academic communication 2. Attend at least 3 proposal and thesis defense examinations at the graduate level in total. 3. Seek additional knowledge through self-directed study, attending lectures in program courses, or participating in workshop training activities organized by the university.

Activity 2: Enhancing Researcher Experience	<ol style="list-style-type: none"> 1. Participate in the Graduate Network Academic Conference of the National Sports University. 2. Participate in national and international academic conferences at least once per year.
Activity 3: Qualifying Examination Preparation and Thesis Development	<p>Participate in the following thesis development activities:</p> <ul style="list-style-type: none"> - Standard thesis proposal writing skills development activity in physical education and sports - Research ethics training activity - Advanced data analysis techniques workshop - Research article writing skills development activity for publication in international journals
Activity 4: Progress Reporting	Report thesis progress, at least once per semester.

Course Description

PE 112003

Thesis

48 credits.

Research on interested issues in the physical education and sport of study The thesis is a set of research projects and have at least 2 sub-research projects under the guidance of an advisor

PE 112002

Thesis

36 credits.

Research on interested issues in the field of study under the guidance of an advisor

PE 101003

Seminar in Physical Education and Sport 1

1(1-0-2)

discussion on trends of physical education and sport to issues, guidelines for development and problem solving, and to the topic of the thesis.

PE 101004

Seminar in Physical Education and Sport 2

1(1-0-2)

Discussion on literature review based on interested, critique of international research articles, synthesizing the research variables, it leads to the research framework, and explore international research databases, to compile literature into academic articles.

PE 102005 Seminar in Physical Education and Sport 3 1(1-0-2)

Discussion of research methods, defining the population and sample, development of research tool and analyzing data to compile into a thesis proposal.

PE 091032 Statistics and Research Design in Physical Education and Sport 3(2-2-5)

Principles and methods of physical education and sports research; quantitative, experimental, qualitative, future, research and development research, and grounded theory, Key concepts in considering the selection of statistics that are appropriate for physical education and sports research, Practices in research design, data collection, data analysis and report writing

PE 091033 Innovative design in physical education and sports 3(2-2-5)

Integrated design of physical education and sport innovation, value and changes in innovation for use in physical education and sports to the economy and society, Innovation in physical education and sports in developing soft power, sports creative thinking management in developing physical education and sport innovation, evaluate of innovations in physical education and sports for development and problem solving.

PE 092034 Mixed-Method Research in Physical Education and Sport 3(2-2-5)

Concepts, principles, and Mixed-Method research design in physical education and sport; data collection, data analysis, data trustworthiness, conclusion, discussion, report writing, mixed-method research presentation in physical education and sport, assessment of research articles using mixed-method research in physical education and sports

PE 092035 Multivariate Statistics for Data Analysis in physical education and sport research 3(2-2-5)

Principles for selecting multivariate statistics, assumptions, multivariate analysis of variance, multiple regression, discriminant analysis and logistic regression, canonical correlation and factor analysis, Exploratory factor analysis, Confirmatory factor analysis, Path analysis, structural equation modeling analysis, data analysis practice with statistical packages, discussion of analysis data in physical education and sport research

PE 092038 Teaching Strategy and Assessment in Physical 3(2-2-5)
Education and Sport

Teaching and assessment strategy in physical education and sport, trends on instructional research and assessment in physical education and sport, factors affecting learning and assessment in physical education and sport for developing 21st century learners; tools development for assessing cognitive, psychomotor, affective, and physical fitness domains in Physical Education and sport

PE 092040 Physical Activity development for quality of life 3(2-2-5)

Principles and concepts of physical activity, exercise reinforcement and exercise behaviour theories, exercise program, design and assessment in physical activity for each group of people for for quality of life

PE 092042 Physical Education and sport Activity development for 3(2-2-5)
Special Population

Concepts, principles, and Mixed-Method research design in physical education and sport; data collection, data analysis, data trustworthiness, conclusion, discussion, report writing, mixed-method research presentation in physical education and sport, assessment of research articles using mixed-method research in physical education and sports

PE 092045 Digital Technology Development for Physical Education 3(2-2-5)
and Sport

Significance, trends, rights and responsibility to digital technology, design and assessment of digital technology to support physical activities, and management in physical education and sport, Application of digital technology in physical education learning and sports training.

PE 092048 Physical Activity Physical literacy and Sports intelligence 3(2-2-5)
Assessment

Physical activity, physical fitness, Physical literacy sports intelligence assessment, Test analysis and using the results to develop standard test. Developing technology to apply in administration and management of tests and assessments

PE 092053 **Strategy and Management for Wellness Reinforcement** 3(2-2-5)

Principles, concepts and theory of strategy and management, SWOT Analysis, strategy, design and assessment of Strategy of management in physical education and sport, wellness behavior analysis and development, and exercise psychology

HU 051021 **English For Graduate Study** 3(3-0-6)

English grammars and four communicative skills, technical terms and interpretation, various kinds of writing, i.e. essay, articles, reports, etc.

HU 051056 **English For Thesis Writing** 3(3-0-6)

Writing Correct sentences, using modifiers making sentences, concise academic stylistic features being, writing evaluative Stances, using tenses in research report, linking Ideas into paragraphs and essays, reference writing in APA format

Graduation Requirements

Plan 1.1

1. Pass the Qualifying Examination.
2. Submit a completed thesis.
3. The thesis or part of the thesis must be published or at least accepted for publication in a quality international journal as specified by the Higher Education Standards Committee, in at least 2 articles; **or** the thesis or part of the thesis must be published or at least accepted for publication in a quality international journal as specified by the Higher Education Standards Committee, in at least 1 article, **and** at least 1 innovation or creative work applicable for commercial, social, or economic benefit, **or** at least 1 patent must be obtained.
4. English proficiency test results must meet the university's announcement on English language proficiency standards for graduate students.
5. Achieve the learning outcomes specified by the program.

Plan 2.1

1. Pass all courses as specified in the curriculum structure with a GPA of no less than 3.00.
2. Pass the Qualifying Examination.
3. Submit a completed thesis.

4. The thesis or part of the thesis must be published or at least accepted for publication in a quality international journal as specified by the Higher Education Standards Committee, in at least 1 article.

5. English proficiency test results must meet the university's announcement on English language proficiency standards for graduate students.

6. Achieve the learning outcomes specified by the program.