



คณะกายภาพบำบัด
มหาวิทยาลัยศรีนครินทรวิโรฒ

Bachelor of Science Program in Physical Therapy

หลักสูตรวิทยาศาสตรบัณฑิต

สาขาวิชากายภาพบำบัด

หลักสูตรปรับปรุง พ.ศ. 2568

“มุ่งมั่นเรียนรู้ สำนึกในจรรยาบรรณวิชาชีพกายภาพบำบัด
เพื่อสุขภาวะที่ดีของประชาชนและสังคม”





Program Specification
Bachelor of Science Program in Physical Therapy
(Revised program 2025)

Faculty of Physical Therapy
Srinakharinwirot University

SECTION 1 GENERAL INFORMATION

1. PROGRAM TITLE AND CODE

Program Code 25500091108421

PROGRAM TITLE

Bachelor of Science Program in Physical Therapy

2. DEGREE OFFERED AND FIELD OF STUDY

Full Title Bachelor of Science (Physical Therapy)

Abbreviation B.Sc. (Physical Therapy)

3. Major/ Field of study

- None -

4. TOTAL CREDITS REQUIRED

A minimum of 135 credits

5. CURRICULUM

5.1 Program Type

Academic Undergraduate Program

Professional or Practice-Oriented Undergraduate Program

5.2 Duration of Study

Full-time Program

2 years 4 years 5 years 6 years

Lifelong Learning Program (No fixed duration of study). Students may engage in flexible

learning and accumulate credits, which are stored in the university's credit bank system

5.3 Language

Thai (speaking)

English (learning and reading materials)

5.4 Admission Requirements

The program admits both Thai and international applicants who are proficient in the Thai language

5.5 Collaboration with Other Institutions

The curriculum provides learning experiences for students interested in elective courses in collaboration with the following institutions: Department of Rehabilitation Science, Hong Kong Polytechnic University, Faculty of Health Science, University of Muhammadiyah Malang, Indonesia, Department of

Physical Therapy, Yonsei University, South Korea, The Graduate School of Human Health Sciences and the Faculty of Health Sciences, Tokyo Metropolitan University, Japan, Department of Physical Therapy, Singapore Institute of Technology, Singapore.

5.6 Conferring degrees upon graduates

A single degree is conferred upon graduates in one field of study

6. EDUCATIONAL MANAGEMENT SYSTEM

6.1 System

The academic system is based on a semester system. One academic year is divided into two regular semesters, each with a duration of not less than 15 weeks

6.2 Summer Session

Instruction may be offered during the summer session on an exceptional basis, with a study period of not less than 8 weeks, subject to the discretion of the Program Administrative Committee

6.3 Credit Equivalency in the Semester System

Credit equivalency is in accordance with the Srinakharinwirot University Regulations on Undergraduate Education B.E. 2566 (2023)

7. Academic Calendar

First semester	August-December
Second semester	January-May
Summer	June-July (if applicable)

8. STUDY VENUES

8.1 Theoretical and Practical Components

Both theoretical and professional practical components are conducted using the facilities and instructional equipment of the Physical Therapy Program, Faculty of Physical Therapy, Srinakharinwirot University.

8.2 Professional Skills Practicum (Clinical Practice)

Clinical training is conducted using the facilities, instructional equipment, and personnel at the following sites:

8.2.1 Hospitals and medical centers in Bangkok, surrounding metropolitan areas, and other regions

8.2.2 Public and private healthcare service facilities

8.2.3 Subdistrict Health Promoting Hospitals (HPH) and community settings

8.2.4 Special education centers in Bangkok, surrounding metropolitan areas, and other regions

8.2.5 Physical Therapy Clinic, Srinakharinwirot University

9. Relationship with Other Programs Offered by Other Faculties/Departments within the Institution

9.1 Courses Offered by Other Faculties/Departments/Programs

General Education Courses

The program requires students to complete 30 credits of general education courses offered by the Office of Learning Innovation.

Free Elective Courses

The program requires students to enroll in interdisciplinary free elective courses based on their interests or aptitudes from course clusters offered by the university. These courses aim to enhance students' knowledge and a wide range of skills, increase employability and career opportunities, and provide pathways for further study in areas of interest. A minimum of 10 credits is required.

9.2 Courses Offered to Other Faculties/Departments/Programs

The program offers undergraduate free elective courses available to students across the university

10. Career Opportunities after Graduation

10.1 Physical therapists in healthcare settings at all levels

10.2 Other professions related to the health sciences field

SECTION 2 Program-Specific Information

1. Philosophy, Objectives and Program Learning Outcome

1.1 Program philosophy

Committed to lifelong learning and PT professional ethics recognition for the well-being of individuals and community.

1.2 Program objectives

1.2.1 Perform physical therapy skills in management of patients through critical thinking and clinical reasoning processes while adhering to professional ethics and patients' rights.

1.2.2 Use information technology to access source of information and critically evaluate evidence to inform practice.

1.2.3 Demonstrates the ability to assess health problems, implement physical therapy interventions, and propose innovative solutions to address the needs of an aging society and enhance the well-being of individuals and society.

1.2.4 Demonstrate leadership roles, teamwork and self-directed learning.

1.3 PROGRAM LEARNING OUTCOMES upon successful completion of the program, participants will be able to:

1.3.1 Effectively utilize language and digital technology for learning, communication, and collaboration; demonstrate a business-oriented mindset, social responsibility, and ethical conduct as responsible local and digital citizens.

1.3.2 Perform physical therapy assessment and diagnosis in accordance with professional laws and standards, utilizing evidence-based practice.

1.3.3 Execute health promotion, disease prevention, treatment, and rehabilitation skills integrated with advanced physical therapy technologies using professional judgement.

1.3.4 Evaluate current health situations, plan, manage, and administer physical therapy services, and propose innovative concepts to support the aging society and enhance public well-being.

Section 3: Program Learning Outcomes

1. Details of Program Learning Outcomes

Upon graduation, students will be able to:

- PLO1:** Effectively utilize language and digital technology for learning, communication, and collaboration; demonstrate a business-oriented mindset, social responsibility, and ethical conduct as responsible local and digital citizens.
- PLO2:** Perform physical therapy assessment and diagnosis in accordance with professional laws and standards, utilizing evidence-based practice.
- PLO3:** Execute health promotion, disease prevention, treatment, and rehabilitation skills integrated with advanced physical therapy technologies using professional judgement.
- PLO4:** Evaluate current health situations, plan, manage, and administer physical therapy services, and propose innovative concepts to support the aging society and enhance public well-being.

Remark: PLO1 corresponds to the Program Learning Outcomes derived from General Education courses.

The details of learning outcomes for each curriculum domain are as follows:

<i>Program learning outcomes</i>	Details of learning outcomes			
	Knowledge (K)	Skills (S)	Ethics (E)	Character (C)
PLO1: Effectively utilize language and digital technology for learning, communication, and collaboration; demonstrate a business-oriented mindset, social responsibility, and ethical conduct as responsible local and digital citizens.	K1-1: Recognize and identify the roles and responsibilities of civic duty, digital citizenship, and relevant laws governing computer and internet usage. K1-2: Communicate effectively in both Thai and English. K1-3: Apply digital technology for learning, communication, and collaboration with others. K1-4: Create projects demonstrating a business outlook.	S1-1: Digital Literacy S1-2: Communication Skills S1-3: Critical Thinking and Problem Solving S1-4: Creativity and Innovation S1-5: Collaboration and Teamwork	E1-1: Demonstrate commitment, responsibility, and adherence to honesty and integrity. E1-2: Demonstrate public consciousness by recognizing the responsibility to maintain public assets and actively contributing to individuals or society. E1-3: Adhere to ethical standards in computer and internet usage.	C1-1: Demonstrate a lifelong learning mindset and a passion for knowledge acquisition. C1-2: Display conduct and personality consistent with the given context and situation. C1-3: Demonstrate appropriate conduct as a Thai citizen and a digital citizen. C1-4: Demonstrate open-mindedness and rationality by respecting and accepting diverse opinions in various social and cultural contexts.

Program <i>learning outcomes</i>	Details of learning outcomes			
	Knowledge (K)	Skills (S)	Ethics (E)	Character (C)
<p>PLO2: Perform physical therapy assessment and diagnosis in accordance with professional laws and standards, utilizing evidence-based practice.</p>	<p>K2-1: Perform physical therapy examination, assessment, and diagnosis.</p> <p>K2-2: Identify and analyze patient problems based on pathological knowledge.</p> <p>K2-3: Select and utilize appropriate technology, instruments, and equipment for physical therapy practice.</p> <p>K2-4: Apply evidence-based practice as a guideline for physical therapy interventions.</p> <p>K2-5: Practice physical therapy in accordance with legal requirements, research ethics, and professional standards.</p>	<p>S1-2: Communication Skills</p> <p>S1-5: Collaboration and Teamwork Skills</p> <p>S2-1: Physical Therapy Assessment and Diagnostic Skills</p> <p>S2-2: Analytical Thinking and Clinical Reasoning Skills</p> <p>S2-3: Skills in Utilizing Physical Therapy Technology, Tools, and Equipment</p>	<p>E1-1: Demonstrate commitment, responsibility, and adherence to honesty and integrity.</p> <p>E1-2: Demonstrate public consciousness by recognizing the responsibility to maintain public assets and actively contributing to individuals or society.</p> <p>E2-1: Adhere to legal regulations and the professional code of ethics for the physical therapy profession.</p>	<p>C1-4: Demonstrate open-mindedness and rationality by respecting and accepting diverse opinions in various social and cultural contexts.</p> <p>C2-1: Demonstrate a service-oriented mindset in physical therapy.</p> <p>C2-2: Resolve and manage problems related to physical therapy practice.</p>
<p>PLO3: Execute health promotion, disease prevention, treatment, and rehabilitation skills integrated with advanced physical therapy technologies.</p>	<p>K2-3: Select and utilize appropriate technology, instruments, and equipment for physical therapy practice.</p> <p>K2-4: Apply evidence-based practice as a guideline for physical therapy interventions.</p> <p>K2-5: Practice physical therapy in accordance with legal requirements, research ethics, and professional standards.</p> <p>K3-1: Provide physical therapy interventions, manual therapy, and therapeutic exercises for various conditions.</p>	<p>S1-2: Communication Skills</p> <p>S2-2: Analytical Thinking and Clinical Reasoning Skills</p> <p>S2-3: Skills in Utilizing Physical Therapy Technology, Tools, and Equipment</p> <p>S3-1: Skills in providing physical therapy for health promotion, prevention, intervention, and rehabilitation, utilizing manual therapy and therapeutic exercises for diverse conditions.</p>	<p>E1-2: Demonstrate public consciousness by recognizing the responsibility to maintain public assets and actively contributing to individuals or society.</p> <p>E2-1: Adhere to legal regulations and the professional code of ethics for the physical therapy profession.</p>	<p>C1-4: Demonstrate open-mindedness and rationality by respecting and accepting diverse opinions in various social and cultural contexts.</p> <p>C2-1: Demonstrate a service-oriented mindset in physical therapy.</p> <p>C2-2: Resolve and manage problems related to physical therapy practice.</p>

Program learning outcomes	Details of learning outcomes			
	Knowledge (K)	Skills (S)	Ethics (E)	Character (C)
	K3-2: Implement health prevention, promotion, and rehabilitation strategies.			
PLO4: Evaluate current health situations, plan, manage, and administer physical therapy services, and propose innovative concepts to support the aging society and enhance public well-being.	<p>K4-1: Assess the health situations of the elderly and the general public.</p> <p>K4-2: Manage and administer basic physical therapy service systems.</p> <p>K4-3: Plan service provision in alignment with the health situations of the elderly and the general public.</p> <p>K4-4: Propose innovative concepts to advance knowledge in physical therapy.</p> <p>K4-5: Conduct physical therapy research under supervision.</p>	<p>S1-1: Digital Literacy</p> <p>S1-2: Communication Skills</p> <p>S1-4: Creativity and Innovation</p> <p>S1-5: Collaboration and Teamwork</p> <p>S2-2: Analytical Thinking and Clinical Reasoning Skills</p> <p>S4-1: Health assessment skills for the elderly and the general public</p> <p>S4-2: Lifelong learning skills</p>	<p>E1-2: Demonstrate public consciousness by recognizing the responsibility to maintain public assets and actively contributing to individuals or society.</p> <p>E2-1: Adhere to legal regulations and the professional code of ethics for the physical therapy profession.</p>	<p>C1-4: Demonstrate open-mindedness and rationality by respecting and accepting diverse opinions in various social and cultural contexts.</p> <p>C2-2: Resolve and manage problems related to physical therapy practice.</p>

2. Year-Level Learning Outcome Details

Year	Year-Level Learning Outcome Details
Year 1	<p>1.1 Demonstrate the ability to utilize language and digital technology for learning, communication, and collaboration; integrate a business-oriented perspective while exhibiting public consciousness and conducting oneself appropriately as a responsible citizen and digital citizen.</p> <p>1.2 Explain human body systems and human movement.</p>
Year 2	<p>2.1 Perform skills in patient history taking, data summarization, and formulating clinical hypotheses regarding the underlying causes of problems.</p> <p>2.2 Demonstrate physical therapy physical examination skills and conduct problem analysis in accordance with professional ethics and standards.</p>
Year 3	<p>3.1 Perform physical therapy assessment and diagnosis for patients by applying clinical reasoning and evidence-based practice.</p> <p>3.2 Demonstrate proficiency in physical therapy treatment and intervention skills for patients.</p>
Year 4	<p>4.1 Demonstrate proficiency in health promotion, prevention, treatment, and rehabilitation skills, integrating the use of modern physical therapy technology.</p> <p>4.2 Plan, administer, and manage physical therapy services, and propose innovative concepts aligned with the health situations of the elderly and the general public.</p>

SECTION 4 PROGRAM STRUCTURE, COURSES AND CREDITS

1. Total Credits Required and Program Structure

1.1 Total credits 135 credits

1.2 Program structure

Course Category	Credits
1. General courses	30 credits
2. Program core	95 credits
2.1 Cumpulsory courses	93 credits
2.2 Elective courses	2 credits
3. Elective courses	10 credits
A minimal total of	135 credits

3. Course descriptions

3.1 General Education Courses, a minimum of 30 credits is required, consisting of:

3.1.1 Compulsary courses, required to complete 4 course modules, totaling 24 credits, as follows:

3.1.1.1 Learning and Communicating in the 21st Century

To study learning strategies for self-development and 21st-century work, to use the Thai language for effective communication, to develop critical thinking through analysis and synthesis of everyday situations, to design personal learning plans for university study, and to acquire and present knowledge through the application of digital technologies.

SWU 191 Learning to the World of 21st Century 3(2-2-5)

Explore learning concepts and essential skills in the 21st century, using digital technology for learning. Develop behavior, mind, and wisdom for solving problem wisely. Initiate and design a personal learning plan while in university with clear goals as well as sharing the gained knowledge creatively

SWU 192 Thai Language for Communication 3(2-2-5)

Studying and practicing the use of the Thai language for communication, effectively receiving and sending messages in various situations, and conveying meaning accurately and appropriately within social and cultural contexts.

3.1.1.2 Art of Using English for International Communication

To study and practice English communication skills, with emphasis on listening, speaking, reading, and writing in English as a foreign language across various contexts; through exercises and

activities utilizing diverse learning processes, media, and information technology both inside and outside the classroom.

SWU 193 Listening and Speaking for Effective English Communication 3(2-2-5)

To study and practice English communication skills, with emphasis on listening and speaking in English as a foreign language across various contexts; through diverse learning processes, media, and information technology both inside and outside the classroom.

SWU 194 Reading and Writing for Effective English Communication 3(2-2-5)

To study and practice English communication skills, with emphasis on reading and writing in English as a foreign language across various contexts; through diverse learning processes, media, and information technology both inside and outside the classroom.

3.1.1.3 SWU for Society

To study roles and responsibilities as a quality citizen in both physical and digital societies; to live and work collaboratively in a society with diverse perspectives; to be a creative and responsible citizen with an understanding of multicultural differences and the transmission of Thai wisdom; to appreciate social diversity; to analyze social issues; and to propose approaches for social development aligned with the United Nations Sustainable Development Goals (SDGs).

SWU 195 Creative Citizen for Society 3(2-2-5)

This course studies the qualities of a citizen with diverse perspectives and the fundamental wisdom underlying Thai society. It examines the active participation and responsibilities of a quality citizen within the community they inhabit, including the digital age. The course focuses on developing digital literacy and social innovation, fostering effective leadership and followership roles, navigating diverse and multicultural societies, and resolving social conflicts peacefully through systematic thinking processes.

SWU 196 Science and Art of Sustainable Social Development 3(2-2-5)

This course studies the United Nations' Sustainable Development Goals (SDGs), analyzes social problems and opportunities to prevent future problems affecting citizens. Students will practice design thinking and systematic problem-solving processes through research, project design to solve problems, application of digital technology in social science data collection, and the systematic communication of social development concepts and project outcomes based on research

3.1.1.4 Enhancement of Work Skills and Entrepreneurship

To study principles of communication for effective collaboration based on an understanding of oneself and others, organizational work characteristics, concepts of entrepreneurship, meaningful and impactful presentation skills for professional contexts, digital entrepreneurship, and ethics in the workplace and business practice.

SWU 197 Speaking and Presentation for Careers 3(2-2-5)

This course studies the appropriate use of verbal and nonverbal language in collaborative work in a changing society. It covers speaking and presenting valuable information through digital media, listening, critiquing, and expressing constructive opinions for the benefit of careers and income generation.

SWU 198 Preparation for Working and Entrepreneurship 3(2-2-5)

This course studies the working methods and characteristics of entrepreneurship, including related ethics, working with others by demonstrating leadership and follower roles based on a deep understanding of oneself and others, and using critical thinking to analyze and synthesize effective problem-solving plans. The learning process is problem-based, covering the fundamentals of entrepreneurship and creative brand building based on individual strengths, as well as systematically evaluating the quality of entrepreneurial plans.

3.1.2 Elective courses required to select one course module, with a minimum of 6 credits, from the following:

3.1.2.1 Smart Life

To study knowledge in science and technology, health sciences, and social learning processes related to adaptation and harmonious living with the environment; to promote health and creative lifestyles; and to develop the ability to adapt in a dynamic society.

SWU 291 Healthy Lifestyle 3(2-2-5)

This course studies the components and development of holistic health, chronic non-communicable diseases and human lifestyle behaviors, including factors affecting health, the importance of food, nutrition, and exercise, wise consumption choices, and the development of a creative lifestyle.

SWU 292 Science: A Key to Harmonious Living with Our Environment 3(2-2-5)

This course studies scientific processes, energy, ecology, and the impacts of scientific and technological advancements and energy use on lifestyles, the economy, society, and the environment. It also examines the application of science in adapting to and living in balance with the environment.

SWU293 Adaptation in the Dynamic Society 3(2-2-5)

This course studies social change phenomena, factors influencing behavior, emotional awareness and recovery from life's challenges, inquiry-based learning processes for understanding and adapting appropriately to a dynamic society.

3.2 Program core, a minimum of 95 credits is required, consisting of:

3.2.1 Compulsary courses required to complete 18 course modules, totaling 93 credits, as follows:

3.2.1.1 Fundamentals of Physical Therapy I

The interrelationship of structure, function, physiology, and pathophysiology of the human musculoskeletal system in normal, pathological, and age-related degenerative conditions.

PTX101 Human Body System I 3(1-4-4)

The structure and function of the human musculoskeletal system, mechanisms, structural deformities and impairments, and age-related degeneration.

PTX102 Physiology of Musculoskeletal System 2(2-0-4)

Physiology and pathophysiology of the human muscular, tendinous, skeletal, and joint systems.

3.2.1.2 Fundamentals of Physical Therapy II

The interrelationship of structure, function, physiology, and pathophysiology of the cardiovascular and pulmonary systems, as well as principles of biomechanics and biophysics for physical therapy.

PTX103 Human Body System II 3(2-2-5)

The structure, function, and interrelationships of the cardiovascular and pulmonary systems, integrating foundational knowledge of anatomy, physiology, pathology, pathogenesis, and pathophysiology.

PTX104 Biomechanics of Movement 2(1-2-3)

Biomechanics of body tissues and structures; biomechanics of joints of the upper extremities, lower extremities, and spine; normal and abnormal movement

PY109 Applied Physics for Physical Therapy 1(1-0-2)

Physical principles of electricity, waves, sound, light, magnetic and electric fields, and heat as applied to physical therapy

3.2.1.3 Fundamentals of Physical Therapy III

Research methodology and research designs in physical therapy, and their application to diseases and pathological conditions.

PTX105 Diseases and Pathology of Musculoskeletal System 1(1-0-2)
Diseases and pathologies affecting the structure and function of the human musculoskeletal system, functional impairments, structural deformities, and age-related degeneration.

PTX181 Foundation of Research Methodology and Statistics 2(2-0-4)
Research methodology and common research designs in physical therapy, basic statistics for research, critical appraisal of the quality of therapeutic studies and their application to practice.

3.2.1.4 Fundamental Skills in Physical Therapy

Principles of human movement, movement assessment, patient handling and transfers, therapeutic massage, and the application of assistive technologies for patient care.

PTX121 Transfer and Assistive Technology 1(0-2-1)
Practice in patient positioning, bed mobility and transfers, wheelchair mobility, the use of various walking aids, and essential assistive technologies for different patient populations.

PTX122 Principle of Movement in Physical Therapy 2(1-2-3)
Principles of various forms of human movement, including active movement and passive movement, assessment of muscle length and strength as fundamental components of physical examination, and prevention, health promotion, and treatment in physical therapy.

PTX131 Massage Therapy 1(0-2-1)
Therapeutic massage, including Thai massage, Chinese massage, sports massage, massage combined with aromatherapy, and innovative concepts in massage.

3.2.1.5 Human Movement Analysis

Analysis of human movement, posture, and gait based on biomechanical principles in normal and abnormal conditions, using observational methods and laboratory instrumentation

PTX203 Gait and Posture 2(1-2-3)
Correct posture, kinematics and kinetics of the gait cycle in healthy individuals and in those with impairments across body systems, electromyography, gait analysis, age-related changes in gait, and assessment of activities of daily living.

PTX221 Body Movement Analysis 2(1-2-3)
Analysis of normal and abnormal movement in individuals with neurological and musculoskeletal pathologies, integrating knowledge of anatomy and biomechanics, and formulating hypotheses on the causes of abnormal movement patterns.

3.2.1.6 Fundamentals of Physical Therapy IV

The interrelationship of structure, function, physiology, and pathophysiology of the nervous, integumentary, immune, gastrointestinal, endocrine, and reproductive systems.

PTX201 Human Body System III 3(2-2-5)
Structure and function of the nervous system including neural pathways, cellular neurobiology, neurophysiology, and neuropathology.

PTX202 Human Body System IV 2(2-0-4)
The relationship between structure, function, and pathology of the integumentary, immune, digestive, excretory, endocrine, and reproductive systems.

3.2.1.7 Basic in Assessment and Treatment

Assessment of joint movement and neural tension, application of thermal modalities, and ethical and professional conduct in physical therapy practice.

PTX222 Movement Assessment of Joints 2(1-2-3)
Assessment of joint movement in upper extremities, lower extremities, and spine including principles of neural tension testing.

PTX231 Heat and Cold Therapy 1(0-2-1)
Practice of heat and cold therapy including characteristics of superficial thermal agents, physiological responses, and applications in physical therapy.

PTX281 Physical Therapy Professional Ethics and Related Laws 1(1-0-2)
Patient rights, ethics and professional codes of conduct in physical therapy, the Physical Therapy Profession Act, and relevant laws and legal rights related to professional practice.

3.2.1.8 Assessment in Neurological and Cardiopulmonary Conditions

Principles of history taking including medication use affecting movement and balance, vital signs assessment, physical therapy examination, problem identification, and analysis in neurological and cardiopulmonary patients.

PTX205 Pharmacology for Physical Therapy 1(1-0-2)
Basic pharmacological principles, drug effects, side effects, and precautions relevant to physical therapy assessment.

PTX241 Assessment of Patients with Neurological Conditions 2(1-3-2)
History taking, physical examination, interpretation using evidence-based practice, problem identification, clinical reasoning, and monitoring progress.

PTX251 Assessment of Patients with Cardiopulmonary Conditions 2(1-3-2)
Principles of assessment in cardiopulmonary conditions, interpretation of laboratory findings, problem analysis, and infection prevention during examination.

3.2.1.9 Physical Therapy Management I

Basic psychology, physical fitness testing, and joint mobilization techniques.

PTX204 Clinical Psychology for Physical Therapy 1(1-0-2)
Behavior and mental status in normal and abnormal conditions across age groups and in persons with disabilities, management of psychiatric issues in physical therapy.

PTX223 Therapeutic Exercise and Physical Fitness Test 2(1-2-3)
Physiological responses and effects of exercise on body systems, principles of basic physical fitness testing, and exercise prescription and guidance for holistic physical and mental well-being.

PTX232 Mobilization Therapy 3(0-6-3)
Practice in examination, assessment, and treatment using joint mobilization techniques across body regions, including the application of mobilization approaches for individuals with musculoskeletal conditions.

3.2.1.10 Electrotherapy and Physical Therapy Modalities

Application of electrotherapy and physical modalities for assessment, treatment, and rehabilitation of neuromuscular impairments and pain management.

PTX224 Electrodiagnosis and Electrotherapy for Physical Therapy 2(1-3-2)

Characteristics and physiological effects of electrical currents, problem analysis, and the application of electrotherapy in physical therapy for diagnosis of peripheral nerve injuries, facilitation of movement, enhancement of muscle strength, prevention of muscle atrophy, and promotion of tissue healing

PTX225 Integration of Electrotherapy and Physical Modalities 3(1-4-4)

Properties and physiological effects of various electrical stimulation devices, electromagnetic waves, sound waves, and light, analysis of clinical problems, and application of electrical currents and wave-based modalities in physical therapy for pain and edema reduction.

3.2.1.11 Physical Therapy Management II

Assessment, problem analysis, treatment planning, and physical therapy management in neurological conditions and in pediatric patients with movement disorders resulting from neurological and other conditions.

PTX341 Physical Therapy in Neurological Conditions 4(2-6-4)

Pathology, signs and symptoms, assessment, problem analysis, treatment planning, physical therapy management, health promotion, prevention, and rehabilitation in neurological conditions, including advances in treatment techniques and professional presentation in accordance with professional standards.

PTX342 Physical Therapy in Pediatrics 3(2-3-4)

Child development, pathology, signs and symptoms, and physical therapy skills in assessment, problem analysis, treatment planning, management, health promotion, prevention, and rehabilitation in pediatric patients with movement disorders due to neurological and other conditions, including children with special needs, with effective communication and professional presentation in accordance with professional standards.

3.2.1.12 Physical Therapy Management III

Screening, assessment, physical therapy diagnosis, clinical decision-making, treatment, health promotion, prevention, and rehabilitation in patients with musculoskeletal and cardiopulmonary conditions.

PTX301 Screening and Clinical Reasoning for Physical Therapy Management 1(0-2-1)
Patient screening using basic epidemiological knowledge, clinical reasoning and decision-making, referral and consultation decisions, and admission for management using physical therapy interventions.

PTX331 Physical Therapy in Musculoskeletal Conditions 4(2-6-4)
Mechanisms of pathology, signs and symptoms, medical management, assessment, physical therapy diagnosis, treatment planning, intervention, health promotion, prevention, and rehabilitation in musculoskeletal conditions and sports physical therapy.

PTX351 Physical Therapy in Cardiopulmonary Conditions 4(2-6-4)
Mechanisms of pathology, signs and symptoms, medical management, assessment, diagnosis, treatment planning, health promotion, prevention, intervention, and rehabilitation in cardiopulmonary conditions.

3.2.1.13 Clinical Practice I

Clinical skills training including patient interaction and rapport building, medical record review, history taking, assessment, physical therapy diagnosis, basic intervention, and patient report writing and presentation.

PTX371 Clinical Physical Therapy I 2(0-6-0)
Practice in history taking, medical record review, patient rapport building, physical therapy assessment, patient report writing, and presentation of patient information in accordance with professional ethics.

PTX372 Clinical Physical Therapy II 4(0-16-0)
Practice in history taking, medical record review, patient rapport building, physical therapy assessment and diagnosis, problem identification and analysis, treatment planning, basic intervention, and patient report writing and presentation in accordance with professional ethics and standards.

3.2.1.14 Applied Research for Physical Therapy Treatment

Application of physical therapy knowledge based on research concepts and methodologies in the assessment and management of elderly patients, and therapeutic exercise for treatment, prevention, health promotion, and rehabilitation.

PTX321 Therapeutic Exercise Applications and Hydrotherapy 1(0-2-1)
Practice in therapeutic exercise and hydrotherapy for treatment, prevention, health promotion, and rehabilitation, with application of techniques tailored to different patient populations.

PTX361 Foundation of Physical Therapy for Geriatric 1(1-0-2)
Principles of fall risk assessment and interventions for fall prevention, health promotion, and management of problems in older adults.

PTX381 Basic Physical Therapy Research Practice 1(0-2-1)
Practice in developing and presenting research proposals using appropriate research methodologies and research ethics to assess and manage physical therapy problems in patients and older adults.

3.2.1.15 Clinical Practice II

Clinical skills training, problem identification and analysis, treatment planning and selection using clinical reasoning and evidence-based practice, basic counseling skills, patient report writing and presentation.

PTX471 Clinical Physical Therapy III 4(0-16-0)
Practice in physical therapy skills, building relationships with patients, taking patient history, and physical therapy assessment. Identification and analysis of problems, treatment planning, selection and implementation of treatment with responsibility and appropriateness according to professional ethics. Learning basic counseling skills, writing patient reports and presenting patient information in various conditions.

PTX472 Clinical Physical Therapy IV 4(0-16-0)
Practice in physical therapy skills, building relationships with patients, taking patient history, and physical therapy assessment. Identification and analysis of problems, treatment planning, selection and implementation of treatment with responsibility and appropriateness according to professional ethics. Learning basic counseling skills and skills in health promotion. Writing patient reports and presenting patient information in various conditions with evidence-based practice.

3.2.1.16 Health System Administration and Physical Therapy in Community

Public health system and health services, basic principles of management, analysis of health problems in the context of the community, and health communication in caring for the population.

PTX462 Physical Therapy in Community 1(0-3-0)
Practice in identifying health problems, applying physical therapy knowledge and health communication in the promotion, prevention, and treatment of the health of people in the community.

PTX481 Public Health and Administration 2(1-2-3)
Public health system, health services, and service standard control in Thailand; basic health economics; basic principles of management; project management; management of a physical therapy clinic or entrepreneurship.

3.2.1.17 Physical Therapy Management through Therapeutic Exercises, Ergonomics, and Lifestyle Modification

Physical therapy management through exercise, ergonomics, and modification of lifestyle and environment in patients with specific conditions

PTX421 Therapeutic Exercise and Lifestyle Modification 1(0-2-1)
Practice of therapeutic exercise and lifestyle modification in patients with non-communicable diseases and metabolic disorders.

PTX431 Ergonomics and Management in Physical Therapy 1(1-0-2)
Relationship between people, work, and environment, including the role of physical therapists in preventing or reducing injuries, improving work efficiency through innovation concepts, and adapting the environment to fit lifestyle.

PTX461 Principle of Physical Therapy Management in Special Condition 2(2-0-4)
Principles of physical therapy management, prevention, treatment, and rehabilitation of patients in physical therapy for women's health, cancer, diabetes, burns, immunodeficiency conditions, and other conditions.

3.2.1.18 Clinical Practice and Research

Clinical practice skills training, effective treatment of patients based on evidence-based practice, health promotion skills, appropriate counseling in relation to patient context, work systems and roles of personnel in relevant units, research practice and application of research in clinical practice.

PTX473 Clinical Physical Therapy V 2(0-8-0)
Practice physical therapy skills, building therapeutic relationships with patients, taking patient history, and performing physical therapy assessments. Identification and analysis of problems, treatment

planning, and effective patient treatment. Learning health promotion skills, counseling skills appropriate to patient context, writing patient reports, and presenting patient information on various conditions in accordance with professional ethics.

PTX474 Clinical Physical Therapy VI 2(0-8-0)

Practice physical therapy skills, building therapeutic relationships with patients, taking patient history, and physical therapy assessment. Identification and analysis of problems, treatment planning, and effective patient treatment. Practice health promotion skills, counseling skills appropriate to patient context, writing patient reports, and presenting patient information in various conditions in accordance with professional ethics. Learning work systems, roles in physical therapy practice, and roles of relevant organizations.

PTX482 Physical Therapy Research 2(0-4-2)

Data collection, analysis, critique, and conclusion of research; research analysis; and approaches to applying research in clinical practice.

3.2.2 Elective Courses, required to select 1 course modules, totaling not less than 2 credits, as follows:

3.2.2.1 Communication Skills for Professional Use

Communication, public relations of health information, building good relationships, and communication with patients and service recipients in English.

PTX491 English for Professional Purposes 1(0-2-1)

Practice communication for history taking, physical examination, and treatment or providing advice to physical therapy service recipients. Oral presentation of patient reports, writing patient reports for referral, writing research abstracts, writing a curriculum vitae, job application letters, and job interviews in English.

PTX492 Health Communication and Public Relation Skill 1(0-2-1)

Practice communication in community settings, public relations, selection of communication media in crisis situations, building good interpersonal relationships, teamwork, planning, establishing guidelines for practice and evaluation, and health communication to individuals and groups.

3.2.2.2 Interested Experience Enhancement and Holistic Health)

Enhancement of diverse work experience according to interests, improvement of quality of life, and promotion of physical and mental well-being appropriate to the situation and age of service recipients.

PTX493 Interested Experience Learning 1(0-2-1)
Enhancement of experience and learning to work with others, coordination and communication, and learning the work systems in the selected organization.

PTX494 Holistic Health for Well-Being 1(0-2-1)
Improvement of quality of life and promotion of holistic physical and mental well-being appropriate to the situation

3.2.2.3 Physical Therapy in Palliative Care

Principles of prevention and relief of symptoms, as well as alleviation of physical, psychological, social, and spiritual suffering; physical therapy management in the care of terminally ill patients and their families; palliative care

PTX495 Principle of Physical Therapy in Palliative Care 1(0-2-1)
Principles and methods of physical therapy in the prevention and relief of symptoms, as well as alleviation of physical, psychological, social, and spiritual suffering of terminally ill patients and their families.

PTX496 Physical Therapy Management in Palliative Care 1(0-2-1)
Physical therapy management in palliative care for terminally ill patients in the prevention and relief of symptoms, as well as alleviation of physical, psychological, social, and spiritual suffering of terminally ill patients and their families.

5. Study Plan and the Distribution of Responsibility for Program Learning Outcomes across Courses and Year-Level Learning Outcomes

Year 1													
Semester 1			PLOs				Semester 2			PLOs			
Code	Course Module/ Course	Credits	PLO1	PLO2	PLO3	PLO4	Code	Course Module/ Course	Credits	PLO1	PLO2	PLO3	PLO4
	<u>General Education Courses</u>							<u>General Education Courses</u>					
	Learning and Communicating in the 21st Century							SWU for Society					
SWU191	Learning to the World of 21st Century	3(2-2-5)	●				SWU195	Creative Citizen for Society	3(2-2-5)	●			
SWU192	Thai Language for Communication	3(2-2-5)	●				SWU196	Science and Art of Sustainable Social Development	3(2-2-5)	●			
	<u>Art of Using English for International Communication</u>							<u>Compulsory Courses</u>					
SWU193	Listening and Speaking for Effective English Communication	3(2-2-5)	●					Fundamentals of Physical Therapy II					
SWU194	Reading and Writing for Effective English Communication	3(2-2-5)	●				PTX103	Human Body System II	3(2-2-5)		●		
	<u>Compulsory Courses</u>						PTX104	Biomechanics of Movement	2(1-2-3)		●		
	Fundamentals of Physical Therapy I						PY109	Applied Physics for Physical Therapy	1(1-0-2)		●	●	
PTX101	Human Body System I	3(1-4-4)		●				Fundamentals of Physical Therapy III					
PTX102	Physiology of Musculoskeletal System	2(2-0-4)		●			PTX105	Diseases and Pathology of Musculoskeletal System	1(1-0-2)		●		
	<u>Elective Courses</u>	6(x-x-x)					PTX181	Foundation of Research Methodology and Statistics	2(2-0-4)		●	●	
								Fundamental Skills in Physical Therapy					
							PTX121	Transfer and Assistive Technology	1(0-2-1)		●	●	
							PTX122	Principle of Movement in Physical Therapy	2(1-2-3)		●	●	
							PTX131	Massage Therapy	1(0-2-1)			●	
								<u>Elective Courses</u>	4(x-x-x)				
Total credits		23					Total credits		23				

Year-Level Learning Outcome 1 (K, S, E, C)

1. Demonstrate the ability to utilize language and digital technology for learning, communication, and collaboration; integrate a business-oriented perspective while exhibiting public consciousness and conducting oneself appropriately as a responsible citizen and digital citizen.
2. Explain human body systems and human movement.

* Remark ● Key Responsibilities

Year 2													
Semester 1			PLOs				Semester 2			PLOs			
Code	Course Module/ Course	Credits	PLO1	PLO2	PLO3	PLO4	Code	Course Module/ Course	Credits	PLO1	PLO2	PLO3	PLO4
	<u>General Education Courses</u>							<u>General Education Courses</u>					
	Enhancement of Work Skills and Entrepreneurship							Smart Life					
SWU197	Speaking and Presentation for Careers	3(2-2-5)	●				SWU292	Healthy Lifestyle	3(2-2-5)	●			
SWU198	Preparation for Working and Entrepreneurship	3(2-2-5)	●				SWU293	Science: A Key to Harmonious Living with Our Environment	3(2-2-5)	●			
	<u>Compulsory Courses</u>							<u>Compulsory Courses</u>					
	Human Movement Analysis							Assessment in Neurological and Cardiopulmonary Conditions					
PTX203	Gait and Posture	2(1-2-3)		●			PTX205	Pharmacology for Physical Therapy	1(1-0-2)		●		
PTX221	Body Movement Analysis	2(1-2-3)		●			PTX241	Assessment of Patients with Neurological Conditions	2(1-3-2)		●		
	Fundamentals of Physical Therapy IV						PTX251	Assessment of Patients with Cardiopulmonary Conditions	2(1-3-2)		●		
PTX201	Human Body System III	3(2-2-5)		●				Physical Therapy Management I					
PTX202	Human Body System IV	2(2-0-4)		●			PTX204	Clinical Psychology for Physical Therapy	1(1-0-2)		●		
	Basic in Assessment and Treatment						PTX223	Therapeutic Exercise and Physical Fitness Test	2(1-2-3)		●	●	
PTX222	Movement Assessment of Joints	2(1-2-3)		●			PTX232	Mobilization Therapy	3(0-6-3)		●	●	
PTX231	Heat and Cold Therapy	1(0-2-1)		●	●			Electrotherapy and Physical Therapy Modalities					
PTX281	Physical Therapy Professional Ethics and Related Laws	1(1-0-2)		●	●		PTX224	Electrodiagnosis and Electrotherapy for Physical Therapy	2(1-3-2)		●	●	
							PTX225	Integration of Electrotherapy and Physical Modalities	3(1-4-4)		●	●	
Total credits		19					Total credits		22				

Year-Level Learning Outcome 2 (K, S, E, C)

1. Perform skills in patient history taking, data summarization, and formulating clinical hypotheses regarding the underlying causes of problems.
2. Demonstrate physical therapy physical examination skills and conduct problem analysis in accordance with professional ethics and standards.

* Remark ● Key Responsibilities

Year 3													
Semester 1			PLOs				Semester 2			PLOs			
Code	Course Module/ Course	Credits	PLO1	PLO2	PLO3	PLO4	Code	Course Module/ Course	Credits	PLO1	PLO2	PLO3	PLO4
	<u>Compulsory Courses</u>							<u>Compulsory Courses</u>					
	Physical Therapy Management II							Clinical Practice I					
PTX341	Physical Therapy in Neurological Conditions	4(2-6-4)		●	●		PTX371	Clinical Physical Therapy I	2(0-6-0)		●	●	
PTX342	Physical Therapy in Pediatrics	3(2-3-4)		●	●		PTX372	Clinical Physical Therapy II	4(0-16-0)		●	●	
	Physical Therapy Management III							Applied Research for Physical Therapy Treatment					
PTX301	Screening and Clinical Reasoning for Physical Therapy Management	1(0-2-1)		●			PTX321	Therapeutic Exercise Applications and Hydrotherapy	1(0-2-1)		●	●	
PTX331	Physical Therapy in Musculoskeletal Conditions	4 (2-6-4)		●	●		PTX361	Foundation of Physical Therapy for Geriatric	1(1-0-2)		●	●	●
PTX351	Physical Therapy in Cardiopulmonary Conditions	4(2-6-4)		●	●		PTX381	Basic Physical Therapy Research Practice	1(0-2-1)	●			●
Total credits		16					Total credits		9				
Year-Level Learning Outcome 3 (K, S, E, C) 1. Perform physical therapy assessment and diagnosis for patients by applying clinical reasoning and evidence-based practice. 2. Demonstrate proficiency in physical therapy treatment and intervention skills for patients.													

* Remark ● Key Responsibilities

Year 4													
Semester 1			PLOs				Semester 2			PLOs			
Code	Course Module/ Course	Credits	PLO1	PLO2	PLO3	PLO4	Code	Course Module/ Course	Credits	PLO1	PLO2	PLO3	PLO4
	<u>Compulsory Courses</u>							<u>Compulsory Courses</u>					
	Clinical Practice II							Clinical Practice and Research					
PTX471	Clinical Physical Therapy III	4(0-16-0)		●	●		PTX473	Clinical Physical Therapy V	2(0-8-0)		●	●	
PTX472	Clinical Physical Therapy IV	4(0-16-0)		●	●		PTX474	Clinical Physical Therapy VI	2(0-8-0)		●	●	●
	Health System Administration and Physical Therapy in Community						PTX482	Physical Therapy Research	2(0-4-2)	●			●
PTX462	Physical Therapy in Community	1(0-3-0)		●	●	●		<u>Elective Courses</u>	2				
PTX481	Public Health and Administration	2(1-2-3)	●			●							
	Physical Therapy Management through Therapeutic Exercises, Ergonomics, and Lifestyle Modification												
PTX421	Therapeutic Exercise and Lifestyle Modification	1(0-2-1)		●	●								
PTX431	Ergonomics and Management in Physical Therapy	1(1-0-2)		●	●	●							
PTX461	Principle of Physical Therapy Management in Special Condition	2(2-0-4)		●	●								
Total credits		15					Total credits		8				
Year-Level Learning Outcome 4 (K, S, E, C) 1. Demonstrate proficiency in health promotion, prevention, treatment, and rehabilitation skills, integrating the use of modern physical therapy technology. 2. Plan, administer, and manage physical therapy services, and propose innovative concepts aligned with the health situations of the elderly and the general public.													

* Remark ● Key Responsibilities

5. Graduation Requirements

5.1 In accordance with the Srinakharinwirot University Regulations on Undergraduate Education 2023, students must complete the required number of credits as specified in the curriculum, achieve a cumulative grade point average (GPA) of not less than 2.00 on a 4.00 scale (or equivalent), and attain the Program Learning Outcomes in alignment with the Thailand Qualifications Framework for Higher Education.

5.2 Meet the English language proficiency requirements for undergraduate students of Srinakharinwirot University.

5.3 Completion of the extracurriculum activities required by the university

5.4 Pass the comprehensive examination

5.5 Complete the required number of clinical practice hours in accordance with the standards of the Physical Therapy Council of Thailand.

5.6 Pass the clinical practice requirements as specified by the Physical Therapy Program, Faculty of Physical Therapy, Srinakharinwirot University.

5.7 Pass both theoretical and practical examinations as required by the Physical Therapy Program, Faculty of Physical Therapy, Srinakharinwirot University.

5.8 Pass the professional core courses in Physical Therapy in accordance with the standards of the Physical Therapy Council of Thailand (Appendix J: Standards for Professional Degree Programs in Physical Therapy B.E. 2565 (2022), Clause 4.3), with a minimum grade of 2.00 on a 4.00 scale in the following courses:

PTX321	Therapeutic Exercise Applications and Hydrotherapy
PTX331	Physical Therapy in Musculoskeletal Conditions
PTX341	Physical Therapy in Neurological Conditions
PTX342	Physical Therapy in Pediatrics
PTX351	Physical Therapy in Cardiopulmonary Conditions
PTX361	Foundation of Physical Therapy for Geriatric
PTX371	Clinical Physical Therapy I
PTX372	Clinical Physical Therapy II
PTX421	Therapeutic Exercise and Lifestyle Modification
PTX461	Principle of Physical Therapy Management in Special Condition
PTX462	Physical Therapy in Community
PTX471	Clinical Physical Therapy III
PTX472	Clinical Physical Therapy IV
PTX473	Clinical Physical Therapy V
PTX474	Clinical Physical Therapy VI
PTX481	Public Health and Administration



คณะกายภาพบำบัด
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Bachelor of Science Program in Physical Therapy

**หลักสูตรวิทยาศาสตร์บัณฑิต
สาขาวิชากายภาพบำบัด**

หลักสูตรปรับปรุง พ.ศ. 2568