



## Program Specification Bachelor of Science (B.Sc.) in Physical Therapy

- 1. Program Name**  
Bachelor of Science (B.Sc.) in Physical Therapy
- 2. Final Award**  
Bachelor of Science (Physical Therapy)
- 3. Program Code**  
25500091108421
- 4. Awarding Institute**  
Srinakharinwirot University
- 5. Teaching Institute**  
Faculty of Physical Therapy
- 6. Mode/ type of study**  
Full time, campus based (Ongkharuk, Nakhonnayok)
- 7. Language**  
Thai (speaking)  
English (learning and reading materials)
- 8. Study duration**  
Minimum: 4 years (8 semesters)  
Maximum: 8 years
- 9. Entry requirement**
  - Completion of grade 12 with at least 20 credits of science and 10 credits of mathematics.
- 10. Program philosophy**  
Academic commitment and physical therapy professional ethics recognition for a healthy public
- 11. Program objectives**  
The objectives of this program are to:
  1. Perform physical therapy skills in management of patients through critical thinking and clinical reasoning processes while adhering to professional ethics and patients' rights.
  2. Provide consultation within boundaries of expertise to prevent non-communicating disease and other conditions due to degeneration and ageing process.
  3. Monitor recent health problems to adjust plan of care appropriate for the current situation.
  4. Conduct simple research and continued engage in self-directed learning.



5. Use information technology to access source of information and critically evaluate evidence to inform practice
6. Demonstrate leadership roles and teamwork.

### 12. Reference points used to inform the program specification

- Srinakharinwirot University, Academic Office website  
<https://www.swu.ac.th/>
- Faculty of Physical Therapy, Srinakharinwirot University website  
<http://healthsci.swu.ac.th/>

### 13. Expected learning outcomes (ELO)

Intended Learning Outcomes	Teaching and Learning Methods					Assessment (formative, summative)		
	Online Course	Classroom/ laboratory	Blended learning	Work-related experience	Work-based experience			
1 Take responsibility for their learning and professional development.	Lecture based	Lecture based	Seminar/group discussion, Problem based learning, Gamification/game-based learning, Independent learning, Assign work, Research based	Practical skills in classroom/ laboratory	Clinical practice in health care and community setting	Demonstration, interactive activities, professional ethics, skill of communication, leadership, objective structured clinical examination (OSCE)		
2 Demonstrate an understanding of the human body in health and disease, ageing process.						Examination, presentation and demonstration, classroom assessment, interactive activities, case reports, clinical practice, clinical examination, professional ethics, self assessment, peer assessment		
3 Demonstrate basic skills required for practice (assessment, diagnosis, management and communication).						Examination, presentation and demonstration, interactive activities, case reports, classroom assessment, clinical practice, clinical examination, professional ethics, skill of communication, leadership, SWU-SET, self assessment, peer assessment		
4 Demonstrate a professional altruism.						Presentation and demonstration, classroom assessment, interactive activities, clinical practice, professional ethics		
5 Comply with all relevant standards and regulations, and practice within the rules of professional conduct.						Presentation and demonstration, classroom assessment, case reports, interactive activities, clinical practice, clinical examination, professional ethics, skill of communication, leadership		
6 Perform basic research in Physical Therapy.	Lecture based	Lecture based				Presentation and demonstration, interactive activities, assignment, research, ethics in research		
7 Critically analyze and evaluate clinical and academic resources of evidence in order to inform practice.						Examination, presentation and demonstration, case reports, classroom assessment, interactive activities, research, clinical practice, clinical examination, professional ethics, skill of communication, leadership, SWU-SET, self assessment, peer assessment, objective structured clinical examination (OSCE), comprehensive examination		
8 Analyze the impact of health and disease on physiological, individual and societal levels.								
9 Effectively contribute towards healthcare across a variety of clinical settings.								
10 Develop an understanding of key issues in healthcare delivery, through application of theoretical knowledge and skills.	Lecture based	Lecture based			Practical skills in classroom/ laboratory	Clinical practice in health care and community setting	Presentation and demonstration, classroom assessment, interactive activities, case reports, clinical practice, clinical examination, professional ethics, skill of communication, leadership, SWU-SET, self assessment, peer assessment, objective structured clinical examination (OSCE), comprehensive examination	
11 Provide consultation to prevent non-communicating disease and other conditions due to degeneration and ageing process.								
12 Demonstrate an in-depth knowledge and understanding of key clinical and professional issues in physiotherapy practice.								
13 Demonstrate knowledge and understanding of key issues in organization and delivery of patient care.								
14 Adapt to change in the workplace in a professional manner with appropriate leadership role.								



#### 14. Graduation Requirements

- Completion of 135 credits required in the program
- Average GPA equals 2.00 (in the 4.00 system) and average grade of 2.00 in the Physical Therapy courses.
- Completion of the extracurriculum activities required by the university
- Pass the comprehensive exam
- Completion of 1,000 hours of clinical practice
- Pass all clinical practice courses

#### 15. Indications of program quality

- University Academic Review
- Yearly review from the Office of Higher Education Administration
- Accreditation from Physical Therapy Council (Thailand)
- Accreditation from Asean University Network Quality Assurance (AUNQA)

#### 16. Total credits

General	30	credits
Program core	99	credits
Basic health sciences	28	credits
Physical Therapy	71	credits
Electives	6	credits
<b>Total</b>	<b>135</b>	<b>credits</b>

#### 17. Program structure

Year 1					
	Semester 1	Credit		Semester 2	Credit
SWU121	English for Effective Communication I	3(2-2-5)	SWU111	Thai for Communication	3(3-0-6)
SWU132	Personal Fitness	1(0-2-1)	SWU122	English for Effective Communication II	3(2-2-5)
SWU135	Swimming	1(0-2-1)	SWU161	Human in Learning Society	2(2-0-4)
SWU141	Life in a Digital World	3(3-0-6)	PTX103	Human Body System II	3(2-2-5)
SWU151	General Education for Human Development	3(3-0-6)	PTX104	Clinical Psychology for Physical Therapy	1(1-0-2)
PTX101	Human Body System I	3(1-4-4)	PTX105	Biomechanics of Movement	2(1-2-3)
PTX102	Physiology of Musculoskeletal System	2(2-0-4)	PTX121	Transfer and Technology for Mobility	2(0-4-2)
PTX111	English for Professional Purposes I	2(1-2-3)	PTX122	Principle of Body Movement in Physical Therapy	2(1-3-2)
Elective course		2	PTX123	Principle of Evaluation of Joint Motion	2(1-2-3)
			PTX181	Foundation of Research Methodology and Statistics	2(2-0-4)
	<b>Total credits</b>	<b>20</b>		<b>Total credits</b>	<b>22</b>



Year 2					
	Semester 1	Credit		Semester 2	Credit
SWU244	Science for Better Life and Environment	3(3-0-6)	SWU261	Active Citizens	3(3-0-6)
SWU265	Economic Globalization	3(3-0-6)	SWU356	Social Psychology for Living	2(2-0-4)
PTX201	Human Body System III	3(2-2-5)	PY109	Applied Physics for Physical Therapy	1(1-0-2)
PTX202	Musculoskeletal Diseases and Electromyography	1(1-0-2)	PTX203	Gait Biomechanics	1(0-2-1)
PTX221	Analysis of Body Movement	2(1-2-3)	PTX204	Pharmacology for Physical Therapy	1(1-0-2)
PTX241	Evaluation of Patients with Neurological Conditions	2(1-3-2)	PTX222	Therapeutic Exercise and Physical Fitness Test	2(1-2-3)
PTX251	Evaluation of Patients with Cardiopulmonary Conditions	2(1-3-2)	PTX223	Electrodiagnosis and Electrotherapy for Musculoskeletal System	2(1-3-2)
PTX281	Physical Therapy Research I	2(1-2-3)	PTX224	Integration of Electrotherapy and Diathermy	3(1-4-4)
PTX283	Physical Therapy Professional Ethics and Related Laws	1(1-0-2)	PTX231	Heat and Cold Therapy	1(0-2-1)
Elective course		2	PTX232	Mobilization Therapy	2(0-4-2)
			PTX282	Physical Therapy Research II	1(0-2-1)
	<b>Total credits</b>	<b>21</b>		<b>Total credits</b>	<b>19</b>
Year 3					
	Semester 1	Credit		Semester 2	Credit
PTX331	Physical Therapy management in Musculoskeletal Conditions	4(2-6-4)	PTX301	Screening and Clinical Reasoning for Physical Therapy Management	1(0-2-1)
PTX341	Physical Therapy in Neurological Conditions	4(2-6-4)	PTX302	Human Body System IV	2(2-0-4)
PTX342	Physical Therapy in Pediatrics	3(2-3-4)	PTX332	Manual Therapy	2(0-4-2)
PTX351	Physical Therapy in Cardiopulmonary Conditions	4(2-6-4)	PTX311	English for Professional Purposes II	2(1-2-3)
PTX371	Clinical Physical Therapy I	2(0-6-0)	PTX321	Therapeutic Exercise in Patients with Non-communicable Diseases	1(0-2-1)
			PTX372	Clinical Physical Therapy II	4(0-16-0)
			Elective course		2
	<b>Total credits</b>	<b>17</b>		<b>Total credits</b>	<b>14</b>
Year 4					
	Semester 1	Credit		Semester 2	Credit
PTX431	Ergonomics and Management in Physical Therapy	1(1-0-2)	PTX411	English for Professional Purposes III	2(1-2-3)
PTX461	Foundation of Physical Therapy for Geriatric	1(1-0-2)	PTX412	Health Communication Skill	1(0-2-1)
PTX471	Clinical Physical Therapy III	4(0-16-0)	PTX421	Therapeutic Exercise for Specific Conditions	1(0-2-1)
PTX472	Clinical Physical Therapy IV	4(0-16-0)	PTX462	Physical Therapy in Special Conditions	2(2-0-4)
			PTX463	Physical Therapy in Community and Geriatric	1(0-3-0)
			PTX473	Clinical Physical Therapy V	2(0-8-0)
			PTX474	Clinical Physical Therapy VI	2(0-8-0)
			PTX481	Public Health and Administration	1(1-0-2)
	<b>Total credits</b>	<b>10</b>		<b>Total credits</b>	<b>12</b>



## 18. Mapping of Expected Learning Outcomes to Courses

Courses	Expected Learning Outcome (ELO)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Fundamental for Physical Therapy</b>														
PTX 101 Human Body System I	x	x												
PTX 102 Physiology of Musculoskeletal System	x	x												
PTX 103 Human Body System II	x	x												
PTX 104 Clinical Psychology for Physical Therapy	x	x												
PTX 105 Biomechanics of Movement	x	x												
PTX 201 Human Body System III	x	x												
PTX 202 Musculoskeletal Diseases and Electromyography	x	x												
PTX 203 Gait Biomechanics	x	x												
PTX 204 Pharmacology for Physical Therapy	x	x												
PTX 301 Screening and Clinical Reasoning for Physical Therapy Management	x	x	x				x	x						
PTX 302 Human Body System IV	x	x		x										
<b>Language and Communication</b>														
PTX 111 English for Professional Purposes I	x	x	x											
PTX 311 English for Professional Purposes II	x	x												
PTX 411 English for Professional Purposes III	x		x	x									x	
PTX 412 Health Communication Skill	x		x	x							x			
<b>Electro Therapy and Movement Therapy</b>														
PTX 121 Transfer and Technology for Mobility	x	x	x											
PTX 122 Principle of Body Movement in Physical Therapy	x		x											
PTX 123 Principle of Evaluation of Joint Motion	x	x	x											
PTX 221 Analysis of Body Movement	x		x											
PTX 222 Therapeutic Exercise and Physical Fitness Test	x	x	x	x	x									
PTX 223 Electrodiagnosis and Electrotherapy for Musculoskeletal System	x	x	x	x	x									
PTX 224 Integration of Electrotherapy and Diathermy	x	x	x	x	x									
PTX 321 Therapeutic Exercise in Patients with Non-communicable Diseases	x	x	x	x	x			x		x				
PTX 421 Therapeutic Exercise for Specific Conditions	x	x	x	x	x		x	x		x	x			



Courses	Expected Learning Outcome (ELO)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Physical Therapy for Musculoskeletal Conditions</b>														
PTX 231 Heat and Cold Therapy	x	x	x											
PTX 232 Mobilization Therapy	x	x	x				x							
PTX 331 Physical Therapy management in Musculoskeletal Conditions	x	x	x	x	x		x	x						
PTX 332 Manual Therapy	x	x	x				x							
PTX 431 Ergonomics and Management in Physical Therapy	x	x					x	x				x		
<b>Physical Therapy for Neurological Conditions</b>														
PTX 241 Evaluation of Patients with Neurological Conditions	x	x	x	x	x									
PTX 341 Physical Therapy in Neurological Conditions	x	x	x	x	x		x	x						
PTX 342 Physical Therapy in Pediatrics	x	x	x	x	x		x	x	x	x				
<b>Physical Therapy for Cardiopulmonary Conditions</b>														
PTX 251 Evaluation of Patients with Cardiopulmonary Conditions	x	x	x	x	x									
PTX 351 Physical Therapy in Cardiopulmonary Conditions	x	x	x	x	x		x	x						
<b>Physical Therapy for Specific Conditions</b>														
PTX 461 Foundation of Physical Therapy for Geriatric	x	x						x			x			
PTX 462 Physical Therapy in Special Conditions	x	x					x	x			x			
PTX 463 Physical Therapy in Community and Geriatric	x			x	x		x	x	x	x	x		x	x
<b>Clinical Practice</b>														
PTX 371 Clinical Physical Therapy I	x	x	x	x	x		x	x	x	x				
PTX 372 Clinical Physical Therapy II	x	x	x	x	x		x	x	x	x				
PTX 471 Clinical Physical Therapy III	x	x	x	x	x		x	x	x	x	x	x	x	
PTX 472 Clinical Physical Therapy IV	x	x	x	x	x		x	x	x	x	x	x	x	x
PTX 473 Clinical Physical Therapy V	x	x	x	x	x		x	x	x	x	x	x	x	x
PTX 474 Clinical Physical Therapy VI	x	x	x	x	x		x	x	x	x	x	x	x	x
<b>Management and Research</b>														
PTX 181 Foundation of Research Methodology and Statistics	x					x								
PTX 281 Physical Therapy Research I	x					x								
PTX 282 Physical Therapy Research II	x		x			x								
PTX 283 Physical Therapy Professional Ethics and Related Laws	x				x									
PTX 481 Public Health and Administration	x			x	x			x					x	x