

Programme Specification

Programme Specification	
1. Teaching Institution	Ahlia University
2. College	College of Medical and Health Sciences
3. Programme Title	Bachelor of Science in Physiotherapy (BSPT)
4. Title of Final Award	Bachelor of Science in Physiotherapy (BSPT)
5. Modes of Attendance offered	Attendance is compulsory (full time)
6. Accreditation	Initially locally accredited followed by internationally accredited.
7. Other external influences	External Evaluator Report Stakeholder Feedback
8. Date of production/revision of this specification	25/06/2024
9. Medium of instruction	English
10. Aims of the Programme	
<ol style="list-style-type: none"> To be equipped with advance knowledge and understanding related to Physiotherapy as described by the academic, professional, and statutory bodies. To be equipped with applied knowledge to exercise professional and ethical judgment in the practice of the Physiotherapy profession. To be equipped with critical evaluation skills develop to evaluate current trends in the practice of the profession based on the latest evidence and health-care research methodology. To be equipped with digital competence and lifelong learning skills, including research and sensitivity to ethical issues and social responsibility to transform sustainable business practices. 	
11. Learning Outcomes, Teaching, Learning and Assessment Methods	
A. Knowledge and understanding	
A1	<u>Concepts and theories:</u> Demonstrate an advanced understanding of key principles, theories and concepts of biological, physical, physiological, and behavioural sciences in relation to Physiotherapy which form the foundations of Physiotherapy practice.
A2	<u>Contemporary Trends, Problems and Research:</u> Use specialised level of skills to conduct research on the latest developments, problems and controversies in the field of Physiotherapy uncovered by research.
A3	<u>Professional responsibility:</u> Demonstrate adherence to professional standards and practices related to activities of the Physiotherapist.
B. Subject-specific skills	
B1	<u>Problem Solving:</u> Use specialised level of skills to apply quantitative and qualitative techniques to systematically evaluate the data/ evidence in the field of Physiotherapy practice.
B2	<u>Modeling and design:</u> Apply specialised level scientific process, including models of Physiotherapy practice in promoting individual health, public health, and well-being.
B3	<u>Application of Methods and Tools:</u> Use specialised level of Physiotherapy techniques and principles of examination to gather data for appropriate delivery of Physiotherapy services to clients/ client groups.
Teaching and Learning Methods	
Lectures, group discussions and debates, demonstration and practical sessions, assignment and problem solving, case studies and projects, project supervision	
Assessment Methods	
Oral participation, assignments, quizzes, tests, final exams, projects and presentations, and project supervision	

C. Critical-Thinking Skills	
C1	<u>Analytic</u> : Demonstrate critical evaluation with consideration of physical, psychological, and socio-cultural needs.
C2	<u>Synthetic</u> : Use information from the patient assessment to construct effective plan of care in liaison with the client with reference to the patient's physical, psychological, and sociocultural need.
C3	<u>Creative</u> : Demonstrate insight in the application of current approaches and trends used in the delivery of Physiotherapy services.
Teaching and Learning Methods	
Lectures, group discussions and debates, demonstration and practical sessions, assignment and problem solving, case studies and projects, project supervision	
Assessment Methods	
Oral participation, assignments, quizzes, tests, final exams, projects and presentations, and project supervision	
D. General and Transferable Skills (other skills relevant to employability and personal development)	
D1	<u>Communication</u> : Use specialised level of skills to communicate effectively with members of the multi-disciplinary health care team, clients, carers, public as well as external regulatory authorities.
D2	<u>Teamwork and Leadership</u> : Coordinates with industry counterpart and partners including health professionals with regard tasks and responsibilities including the ability to work effectively as a member of the organization.
D3	<u>Organisational and Developmental skills</u> : Operate at specialized level with accountability to develop for physiotherapy standards and clinical practices.
D4	<u>Ethics and Social Responsibility</u> : Demonstrate ethical responsibility while conducting physiotherapy practices

The Bachelor of Science of Physiotherapy (BSPT) is offered with practical learning that is conducted within Ahlia University laboratories as well as Medical Health Centres. **Note that the external Medical Centres will be allocated as per the class size and types of clinical practice specialization.**

Year	Code	Course Title	Practical Hours	Venue
Year 1	ANAT101	General Anatomy I	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 1	ANAT121	General Anatomy II	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 2	PHYG211	General Physiology	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 2	PHYG215	Musculoskeletal Anatomy	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 2	PHTH227	Biomechanics	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 2	PHTH222	Neuroanatomy & Physiology	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 2	PHTH223	Introduction to Radiology & Pathology	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 2	PHTH224	Principles of Electrotherapy	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 2	PHTH229	Basic Clinical Practice	10	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 3	PHTH312	Orthopedic, Sports & Rheumatology Physiotherapy	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 3	PHTH318	Manual Therapy	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 3	PHTH314	Principles of Therapeutic Exercise	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 3	PHTH315	Clinical: Orthopedic Medicine & Surgery	2	Clinical- Medical Health Centers
Year 3	PHTH316	Clinical: Orthopedic, Sports & Rheumatology Physiotherapy	8	Clinical- Medical Health Centers
Year 3	PHTH312	Orthopedic, Sports & Rheumatology Physiotherapy	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 3	PHTH323	Clinical: Cardiopulmonary Medicine & Surgery	2	Clinical- Medical Health Centers
Year 3	PHTH324	Clinical: Cardiopulmonary & Medical Physiotherapy	8	Clinical- Medical Health Centers
Year 4	PHTH412	Principles of Therapeutic Exercise	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 4	PHTH413	Clinical: Orthopedic Medicine & Surgery	2	Clinical- Medical Health Centers

Year 4	PHTH414	Clinical: Orthopedic, Sports & Rheumatology Physiotherapy	8	Clinical- Medical Health Centers
Year 4	PHTH499	Major Project	6	IT Lab – Research Physiotherapy Lab 1 Physiotherapy Lab 2
Year 4	PHTH421	Clinical: Pediatric Physiotherapy	8	Clinical- Medical Health Centers
Year 4	PHTH422	Theories of Pediatric Physiotherapy	2	Physiotherapy Lab 1 Physiotherapy Lab 2
Year 4	PHTH423	Clinical: Pediatric Medicine & Surgery	2	Clinical- Medical Health Centers
Year 4	PHTH424	Clinical: Community Physiotherapy	6	Clinical- Medical Health Centers
Year 4	PHTH425	Occupational Health & Ergonomics in Physiotherapy	2	Physiotherapy Lab 1 Physiotherapy Lab 2

List of Textbooks available for students

Course Code	Title	Ed.	Year	Author	Publisher	ISBN
ANAT 101	Tortora's Principles of Anatomy and Physiology, Global Edition, 15th Edition	15th	2017	Gerard J. Tortora, Bryan H. Derrickson	Wiley	978-1119437611
CHEM 101	Atkins, P: Atkins' Physical Chemistry 11th Edition	11th ed	2018	Peter Atkins, Julio de Paula, James Keeler	Oxford University Press	978-0198769866
CHEM 101	Inorganic Chemistry 5th Edition	5th Ed	2018	Catherine Housecroft	Pearson	978-1292134147
CHEM 101	Organic Chemistry (MasteringChemistry) 9th Global Edition	9th Gl. ed	2016	Leroy Wade, Jan Simek	Pearson	978-1292151106
ANAT 121	Tortora's Principles of Anatomy and Physiology, Global Edition, 15th Edition	15th	2017	Gerard J. Tortora, Bryan H. Derrickson	Wiley	978-1119437611
ENGL 211	Best Practice Intermediate: Business English in a Global Context 1st Edition	1st edi.	2007	Bill Mascull, Jeremy Comfort	Heinle ELT	978-1413021851
ENGL 211	Best Practice Intermediate: Workbook 1st Edition	1st edi.	2007	Adrian Pilbeam, Rebecca Uttridge	Heinle ELT	978-1413028591
PHYG 211	Tortora's Principles of Anatomy and Physiology,	15th	2017	Gerard J. Tortora, Bryan H. Derrickson	Wiley	978-1119437611

	Global Edition, 15th Edition					
PHTH 212	Gray's Anatomy for Students: With Student Consult Online Access 4th Edition	4th ed.	2019	Richard L. Drake PhD), A. Wayne Vogl PhD, Adam W. M. Mitchell	Elsevier	978-0323393041
PHTH 213	Psychology, Global Edition, 6th edition	6th GL. Ed.	2020	Sandra Ciccarelli, J. White	Pearson	978-1292353548
CHEM 214	Lippincott Illustrated Reviews: Biochemistry (Lippincott Illustrated Reviews Series) 7th Edition	7th Ed	2017	Denise Ferrier	LWW	978-1496344496
PHTH 221	Joint Structure & Function: A Comprehensive Analysis, 6e	6th ed.	2019	Pamela K. Levangie, Cynthia C. Norkin, Michael D. Lewek	F. A. Davis Company	978-9389034820
PHTH 222	Tortora's Principles of Anatomy and Physiology, Global Edition, 15th Edition	15th	2017	Gerard J. Tortora, Bryan H. Derrickson	Wiley	978-1119437611
PHTH 223	Goodman and Fuller's Pathology: Implications for the Physical Therapist 5th Edition	5th ed.	2020	Catherine Cavallaro Kellogg , Kenda S. Fuller	Elsevier	978-0323673556
PHTH 223	Fundamentals of Musculoskeletal Imaging (Contemporary Perspectives in Rehabilitation) Fifth Edition	5th ed.	2020	Lynn N. McKinnis	F.A. Davis Company	978-0803676022
PHTH 224	Electrophysical Agents Evidence-based Practice, 13th Edition	13th Ed	2020	Editors: Tim Watson, Ethne Nussbaum	Elsevier	978-0702076947
PHTH 224	Therapeutic Modalities in Rehabilitation, 6e	6th ed.	2021	William E. Prentice	McGraw-Hill	978-1-264-26455-1
PHTH 225	Exercise Physiology: Nutrition, Energy, and Human Performance (Lippincott Connect) Ninth, North American Edition, Revised Reprint	9th ed,	2023	William McArdle, Frank I. Katch, Victor L. Katch	LWW	978-1975217297

PHTH 226	Fundamentals of the Physical Therapy Examination: Patient Interview and Tests & Measures: Patient Interview and Tests & Measures 2nd Edition	2nd ed.	2017	Stacie J. Fruth	Jones & Bartlett Learning	978-1284099621
PHTH 226	Special Tests in Musculoskeletal Examination: An evidence-based guide for clinicians, 1e (Physiotherapy Pocketbooks)	1	2010	Paul Hattam, Alison Smeatham	Churchill Livingstone	978-0702030253
PHTH 226	Daniels and Worthingham's Muscle Testing, Edition 10: Techniques of Manual Examination and Performance Testing	10th ed.	2018	Marybeth Brown and Dale Avers	Elsevier	978-0323569583
PHTH 226	Writing Patient/Client Notes: Ensuring Accuracy in Documentation 5th Edition	5th ed.	2015	Ginge Kettenbach, Sarah Lynn Schlomer, Jill Fitzgerald	F.A. Davis Company	978-0803638204
PHTH 226	Orthopedic Physical Assessment, Edition 7	7th ed.	2020	Robert C. Manske and David J. Magee	Elsevier	978-0323749510
PHTH 226	Measurement of Joint Motion: A Guide to Goniometry, 5e	5th ed.	2017	Cynthia C. Norkin, D. Joyce White	F. A. Davis Company	978-9352700905
ENGL 212	Cambridge English for Nursing Intermediate Plus Student's Book with Audio CDs (2) (Cambridge English For Series) 1st Edition	1st ed.	2008	Virginia Allum, Patricia McGarr	Cambridge University Press	978-0521715409
PHTH 312	Dutton's Orthopaedic: Examination, Evaluation and Intervention, Fifth Edition	5th ed.	2019	Mark Dutton	McGraw Hill / Medical	978-1260143874
PHTH 312	Essentials of Physical Medicine and Rehabilitation: Musculoskeletal Disorders, Pain, and Rehabilitation 4th Edition	4th ed.	2018	Walter R. Frontera, Julie K. Silver	Elsevier	978-0323549479
PHTH 312	Orthopedic Physical Assessment, Edition 7	7th ed.	2020	Robert C. Manske and David J. Magee	Elsevier	978-0323749510

PHTH 312	Orthopaedic Physical Therapy 4th Edition	4th ed.	2009	Robert A. Donatelli Michael J. Wooden)	Churchill Livingstone	978-0443069420
PHTH 313	Maitland's Peripheral Manipulation: Management of Neuromusculoskeletal Disorders - Volume 2, 5th Edition	5th ed.	2013	Elly Hengeveld (Editor), Kevin Banks	Churchill Livingstone	978-0702040672
PHTH 314	Therapeutic Exercise: Foundations and Techniques, 7th Edition	7th ed.	2017	Carolyn Kisner PT MS (Author), Lynn Allen Colby, John Borstad	F.A. Davis Company	978-0803658509
PHTH 315	Apley and Solomon's Concise System of Orthopaedics and Trauma 5th Edition	5th ed.	2021	David Warwick (Editor), Ashley Blom (Editor), Michael Whitehouse (Editor)	CRC Press	978-0367198770
PHTH 316	Therapeutic Exercise: Foundations and Techniques, 7th Edition	7th ed.	2017	Carolyn Kisner PT MS (Author), Lynn Allen Colby, John Borstad	F.A. Davis Company	978-0803658509
PHTH 316	Orthopedic Physical Assessment, Edition 7	7th ed.	2020	Robert C. Manske and David J. Magee	Elsevier	978-0323749510
PHTH 321	Cardiovascular and Pulmonary Physical Therapy, Fourth Edition	4th Edition	2024	William DeTurk Lawrence Cahalin	McGraw-Hill / Medical	978-1264257515
PHTH 321	Cardiovascular and Pulmonary Physical Therapy: Evidence to Practice 6th Edition	6th ed.	2022	Donna Frownfelter , Elizabeth Dean, Marcia Stout	Mosby	978-0323624718
PHTH 322	O'Sullivan & Schmitz's Physical Rehabilitation Eighth Edition	8th ed.	2024	George Fulk , Kevin Chui	F.A. Davis Company	978-1719646918
PHTH 322	Tidy's Physiotherapy (Physiotherapy Essentials) 15th Edition	15th ed.	2013	Stuart Porter (Editor)	Churchill Livingstone	978-0702043444
PHTH 323	Cardiopulmonary Anatomy & Physiology: Essentials of Respiratory Care 7th Edition	7th Ed	2019	Terry Des Jardins	Cengage Learning	978-1337794909
PHTH 324	Cardiovascular and Pulmonary Physical	6th ed.	2022	Donna Frownfelter ,	Mosby	978-0323624718

	Therapy: Evidence to Practice 6th Edition			Elizabeth Dean, Marcia Stout		
PHTH 325	Ethics in Physical Therapy: A Case Based Approach 1st Edition	1st ed	2018	Nancy Kirsch	McGraw Hill / Medical	978-0071823333
PHTH 325	Ethics of Health Care: A Guide for Clinical Practice 4th Edition	4th ed.	2017	Raymond S. Edge and John Randall Groves	Cengage Learning	ISBN13: 9781285854182 / 1285854187
STAT 201	Biostatistics: A Foundation for Analysis in the Health Sciences 11th Edition	11th ed.	2019	Wayne W. Daniel	Wiley	978-1119571728
PHTH 412	O'Sullivan & Schmitz's Physical Rehabilitation Eighth Edition	8th ed.	2024	George Fulk , Kevin Chui	F.A. Davis Company	978-1719646918
PHTH 413	Neurology and Neurosurgery Illustrated 5th Edition	5th ed.	2010	Kenneth W. Lindsay, Ian Bone, Geraint Fuller	Churchill Livingstone	978-0443069574
PHTH 413	Eureka: Neurology & Neurosurgery 1st Edition	1st ed.	2020	Dawn Collins, John Goodfellow, Dulanka Silva, Sanjoy Nagaraja	Scion Publishing Ltd	978-1907816741
PHTH 414	Neurology and Neurosurgery Illustrated 5th Edition	5th ed.	2010	Kenneth W. Lindsay, Ian Bone, Geraint Fuller	Churchill Livingstone	978-0443069574
PHTH 414	Eureka: Neurology & Neurosurgery 1st Edition	1st ed.	2020	Dawn Collins, John Goodfellow, Dulanka Silva, Sanjoy Nagaraja	Scion Publishing Ltd	978-1907816741
PHTH 415	Pharmacology in Rehabilitation (Contemporary Perspectives in Rehabilitation) 5th Edition	5th ed.	2015	Charles D. Ciccone	F.A. Davis Company	978-0803640290
PHTH 415	PHARMACOLOGY FOR THE PHYSICAL THERAPIST, SECOND EDITION	2nd ed.	2020	Erin Jobst, Peter Panus, Marieke Kruidering-Hall	McGraw Hill / Medical	978-1259862229
HCRM 498	Introduction to Research in the Health Sciences 7th Edition	7th ed.	2019	Stephen Polgar, Shane A. Thomas	Elsevier	978-0702074936

PHTH 421	Physiotherapy in Pediatrics 3rd Edition	3rd ed.	1995	Roberta B. Shepherd	Butterworth - Heinemann	978-0750606202
PHTH 421	Campbell's Physical Therapy for Children 6th Edition	6th ed.	2022	Robert Palisano, Margo Orlin , Joseph Schreiber	Elsevier	978-0323797962
PHTH 422	Physiotherapy in Pediatrics 3rd Edition	3rd ed.	1995	Roberta B. Shepherd	Butterworth - Heinemann	978-0750606202
PHTH 422	Campbell's Physical Therapy for Children 6th Edition	6th ed.	2022	Robert Palisano, Margo Orlin , Joseph Schreiber	Elsevier	978-0323797962
PHTH 423	Campbell's Physical Therapy for Children 6th Edition	6th ed.	2022	Robert Palisano, Margo Orlin , Joseph Schreiber	Elsevier	978-0323797962
PHTH 425	Introduction To Human Factors And Ergonomics , 4th edition	4th ed.	2018	R. S. Bridger	T&F India	978-1138582897
PHTH 499	Foundations of Clinical Research: Applications to Evidence-Based Practice Fourth Edition	4th ed.	2020	Leslie G. Portney	F.A. Davis Company	978-0803661134
PHTH 499	Getting Involved in Research: A Pocket Guide	1st ed	2009	Moore, A.P. & Lyon, P. (eds.)	Chartered Society Of Physiotherapy	978-1904400264
PHTH 426	Maxcy-Rosenau-Last Public Health and Preventive Medicine: Sixteenth Edition	16th Edition	2021	Matthew L. Boulton, Robert Wallace	McGraw Hill / Medical	978-1259644511
PHTH 426	Nutritional Health: Strategies for Disease Prevention (Nutrition and Health), 4th edition	4th ed	2023	Editors: Norman J. Temple, Ted Wilson, David R. Jacobs, Jr., George A. Bray	Humana	978-3031246623
PHTH 427	Infants, Children, and Adolescents NINTH EDITION	9th ed.	2022	Laura E. Berk	Sage	978-1071895061
PHTH 428	Joint Structure & Function: A Comprehensive Analysis, 6e	6th ed.	2019	Pamela K. Levangie, Cynthia C. Norkin, Michael D. Lewek	McGraw-Hill	978-9389034820

PHTH 428	Kinesiology of the Musculoskeletal System: Foundations for Rehabilitation, 3e	3rd ed.	2016	Donald A. Neumann	Mosby	978-0323287531
PHTH 428	Orthopedic Physical Assessment, Edition 7	7th ed.	2020	Robert C. Manske and David J. Magee	Elsevier	978-0323749510
PHTH 429	Women's Health in Physical Therapy	1st ed.	2009	Jean M. Irion, Ph.D. Irion, Glenn L.	Lippincott Williams & Wilkins	978-0781744812
PHTH 429	Textbook of Physiotherapy for Obstetrics and Gynecological Conditions 1st Edition	1st ed.	2007	G. B. Madhuri	Jaypee Brothers Medical Pub	978-9350258019
PHTH 429	Obstetric and Gynecologic Care in Physical Therapy 2nd Edition	2nd ed.	2000	Rebecca G. Stephenson, Linda J. O'Connor	Slack Incorporated	978-1556424151

Other references and electronic databases:

Library Services – Digital List	E-ACCESS-DETAILS-NO-PASSWORD-1-5-2024.pdf (ahlia.edu.bh)
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List of IT resources

IT Lab	ITCS101	Microsoft Office Application 365
IT Lab	PHTH499	SPSS for Research Data Library E-Resources Access E-ACCESS-DETAILS-NO-PASSWORD-1-5-2024.pdf (ahlia.edu.bh)