

Course Number	First Year: Fall	Credits
<b>Session 1</b>		
DPT 811 ★	Introduction to Physical Therapy Profession	2
DPT 812 ★ ★	Functional Anatomy I	3
IPE 710 ★	Critical Thinking within Inter-professional Framework I	1
<b>Session 2</b>		
DPT 813 ★	Applied Pathophysiology	3
DPT 814 ★ NU 748	Health Promotion in Families and Communities	3
DPT 815 ★ ★	Functional Anatomy II	3
DPT 816 ★ ★	Foundations of Physical Therapy Skills	2
<b>Total</b>		<b>17</b>

Course Number	Second Year: Fall	Credits
<b>Session 1</b>		
DPT 841 ★	Art of Healing I	1
DPT 842 ★ ★	Musculoskeletal II: Advanced Concepts of Orthopedic Extremity Conditions	3
DPT 847 ★ NU 743	Organizational Leadership	3
DPT 843 ★ ★	Health Systems I: Foundations of Cardiovascular, Pulmonary, Lymphatics, Integumentary, and Other systems	3
<b>Session 2</b>		
DPT 845 ★ ★	Application of Research and Statistics	1
DPT 846 ★ NU 710	Quality and Data Analytics	3
DPT 848 ★ ★	Rehabilitation Technology in Physical Therapy	2
DPT 844 ★ ★	Neuromuscular II: Rehabilitation Principles of Non-Traumatic Neurological and Vestibular Conditions	3
<b>Total</b>		<b>19</b>

Course Number	Third Year: Fall	Credits
DPT 870 ★ ★ ★	Terminal Clinical Experience II (12 Weeks)	6
DPT 871 ★ ★ ★	Doctoral Capstone Project	1
<b>Total</b>		<b>7</b>

Course Number	Third Year: Spring	Credits
DPT 880 ★ ★ ★	Terminal Clinical Experience III (12 Weeks)	6
DPT 881 ★ ★	Preparation for Physical Therapy Clinical Practice	1
<b>Total</b>		<b>7</b>

<b>Total Credits:</b>	<b>115</b>
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Course Number	First Year: Spring	Credits
<b>Session 1</b>		
DPT 821 ★	Art of Healthy Living	3
DPT 822 ★	Biomechanics of Human Motion	2
DPT 824 ★	Foundations of Neuroanatomy and Neuroscience	2
IPE 711 ★	Critical Thinking within Inter-professional Framework II	1
DPT 823 ★ ★	Therapeutic Modalities in Physical Therapy Practice	2
<b>Session 2</b>		
DPT 825 ★ ★	Principles of Movement and Exercise Science	3
DPT 826 ★	Introduction to Diagnostic Imaging	1
DPT 829 ★	Pharmacotherapeutics in Physical Therapy	2
DPT 828 ★ ★	Neurobiology and Therapeutics of Pain	2
DPT 827 ★ ★	Building Blocks of Development	1
<b>Total</b>		<b>19</b>

Course Number	Second Year: Spring	Credits
<b>Session 1</b>		
DPT 852 ★ ★	Musculoskeletal III: Advanced Concepts of Orthopedic Spinal and Temporomandibular Joint Conditions	3
DPT 853 ★ ★	Health Systems II: Advanced Concepts in Cardiovascular, Pulmonary, Lymphatics, Integumentary, and Other Systems	3
DPT 857 ★ ★ ★	Physical Therapy for the Golden years	2
IPE 715 ★	Interprofessional Ethical and Legal Issues in Clinical Practice	2
DPT 851 ★	Art of Healing II	1
<b>Session 2</b>		
DPT 854 ★ ★	Neuromuscular III: Rehabilitation Principles of Traumatic Brain and Spinal Cord Injuries	3
DPT 856 ★	Diagnostic Imaging and Clinical Decision Making	1
DPT 858 ★ MBA 722	Strategic Analysis	3
DPT 855 ★ ★ ★	Empowering Children and Adolescents to Functional Independence	2
<b>Total</b>		<b>20</b>

Notes
★ Habits of the heart (professional formation/responsibilities)
★ Habits of the head (cognitive knowledge)
★ Habits of the hand (clinical skills)

Course Number	First Year: Summer	Credits
<b>Session 1</b>		
DPT 832 ★ ★	Musculoskeletal I: Foundations of Orthopedic Evaluation	3
DPT 833 ★ ★	Primary Care in Physical Therapy	2
DPT 834 ★ ★	Neuromuscular I: Foundations of Neurologic Evaluations	3
IPE 712 ★	Critical Thinking within Inter-professional Framework III	1
DPT 835 ★	Basics of Research and Statistics	2
DPT 831 ★ ★ ★	Clinical Experience Readiness	1
<b>Session 2</b>		
DPT 830 ★ ★ ★	Integrated Clinical Experience (6 Weeks)	3
<b>Total</b>		<b>15</b>

Course Number	Second Year: Summer	Credits
<b>Session 1</b>		
DPT 862 ★ ★ ★	Musculoskeletal IV: Managing Orthopedic Cases	1
DPT 864 ★ ★ ★	Neuromuscular IV: Managing Neurologic Cases	1
DPT 863 ★ ★ ★	Health Systems III: Managing Medically Complex Cases	1
DPT 865 ★ ★	Principles of Evidence Informed Practice	2
DPT 866 ★ NU 738	Health Policy and Health Economics	2
DPT 861 ★	Art of Healing III	1
<b>Session 2</b>		
DPT 860 ★ ★ ★	Terminal Clinical Experience I (6 Weeks)	3
<b>Total</b>		<b>11</b>

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Functional Anatomy 1	DPT 812	1 & 1	3	Enrollment in Physical Therapy Program

**Course Description:** Functional Anatomy I cover the anatomy of the musculoskeletal, nervous, and vascular systems of the upper extremity, trunk, and thorax, including histology. The course material will be delivered in both lecture (online and face to face) and laboratory format. The students will learn anatomical concepts through the study of prosected human cadavers and various anatomical videos and software. The laboratory experience will consist of the application of anatomy to develop foundational skills of physical therapy examination such as surface anatomy, palpation, goniometry, manual muscle testing, manual length testing of the abovementioned body regions.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Introduction to Physical Therapy Profession	DPT 811	1 & 1	2	Enrollment in Physical Therapy Program

**Course Description:** The course will introduce the physical therapy profession to the students. Students will learn the history and evolution of physical therapy in the United States across the healthcare delivery system. Students will be introduced to the role of the American Physical Therapy Association, Guide to Physical Therapy Practice, and principles of clinical reasoning and its application is physical therapy practice. The course material will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Critical Thinking within Inter-professional Framework I	IPE 710	1 & 1	1	Enrollment in Physical Therapy Program

**Course Description:** This course is the initial 1 credit of a 3 credit course series aimed to promote the development of critical thinking within the construct of an interprofessional clinical team. Students will be introduced to concepts pertaining to interprofessional collaborative practice including learning about the practice scope of various health professions, providing a framework for shared critical thinking, and exploring how professions can work collaboratively to make evidence-based clinical decisions. Emphasis will be placed on the components of critical thinking including the role of cognitive biases in clinical decision-making processes.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Health promotion in families and communities	DPT 814/NU 748	1 & 2	3	Enrollment in Physical Therapy Program

**Course Description:** This graduate level course addresses health risks and trends in communities and in families. High-risk populations, aggregates, and communities comprise the focus for investigation. Developmental, psychodynamic, social-political, and cultural theories and concepts are synthesized and applied to analysis of health behaviors in community settings and in families across the life cycle. Risk appraisal methods and evidence-based strategies to identify and prevent health risks in individuals, families, and communities are examined. This course highlights local, state, and federal resources for families, particularly those individuals in medically underserved areas.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Functional Anatomy 2	DPT 815	1 & 2	3	Enrollment in Physical Therapy Program

**Course Description:** Functional Anatomy I cover the anatomy of the musculoskeletal, nervous, and vascular systems of the Lower extremity, head, face, anterior neck, abdomen, and pelvis, including histology. The course material will be delivered in both lecture (online and face to face) and laboratory format. The students will learn anatomical concepts through the study of prosected human cadavers and various anatomical videos and software. The laboratory experience will consist of the application of anatomy to develop foundational skills of physical therapy examination such as surface anatomy, palpation, goniometry, manual muscle testing, manual length testing of the abovementioned body regions.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Applied Pathophysiology	DPT 813	1 & 2	3	Enrollment in Physical Therapy Program

**Course Description:** Applied pathophysiology course will emphasize on the interdependence of human anatomy, physiology and pathology due to an injury, disease, or disorders of the musculoskeletal, neuromuscular, cardiovascular, pulmonary, lymphatics, immune, endocrine and metabolic, hematologic, gastrointestinal, hepatic, pancreatic and biliary, renal and urologic, genital and reproductive systems, altered cell proliferation and differentiation, fluid and electrolyte imbalance, and genetic and developmental disorders. The students will learn the etiology, pathogenesis, clinical manifestations, and precipitating factors of the specific diseases of the abovementioned systems. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Foundations of Physical Therapy Skills	DPT 816	1 & 2	2	Enrollment in Physical Therapy Program

**Course Description:** The course will cover the foundational skills of physical therapy management skills including draping, patient positioning and bed mobility, transfer skills, wheelchair fit and mobility, gait training with various assistive devices. Students will also learn appropriate body mechanics when applying these skills during patient care. Universal precautions and assessment of basic vital skills will also be covered in the course. An overview of common safety protocols and American with Disabilities Act will be provided. Students will be introduced to strategies to enhance their communication skills to ensure strong patient client relationships. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Art of Healthy Living	DPT 821	1 & 2	3	Enrollment in Physical Therapy Program

**Course Description:** The course will cover the concepts of lifestyle medicine in particular eating healthy foods, engaging in regular physical activity, effective stress management, restoration of sleeping behavior, avoidance of risky substances, and embracing positive social connections in life. The students will explore the potential impact of incorporating the principles of lifestyle medicine on society's health and the importance of adopting these principles in one's clinical practice. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Biomechanics of Human Motion	DPT 822	2 & 1	2	Functional Anatomy 1 and 2

**Course Description:** The course will provide biomechanical foundations of human motion for the practice of physical therapy rehabilitation. The course material will cover osteology, arthrology, osteokinematics, arthrokinematics, and muscle mechanics of the Axial and Appendicular skeleton. In addition, students will learn about normal and altered gait mechanics, its possible causes, and associated compensations. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Foundations of Neuroanatomy and Neuroscience	DPT 824	2 & 1	2	Functional Anatomy 1 and 2

**Course Description:** The course will focus on the foundations of neuroanatomy, neurophysiology, neuroimaging, and their applications to neurological conditions commonly seen in physical therapy practice. The course material will also cover the neuroscience at the cellular level, development of the nervous system, three vertical systems (somatosensory, autonomic, and motor) and their interactions with the different body region such as the cerebrum, cerebellum, spinal cord, and the peripheral nervous system. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Critical Thinking within Inter-professional Framework II	IPE 711	2 & 1	1	Critical Thinking within Inter-professional Framework I

**Course Description:** This course is the second 1 credit of a 3 credit course series aimed to promote the development of critical thinking within the construct of an interprofessional clinical team. Students will have the opportunity to apply critical thinking concepts relevant to interprofessional collaborative practice using a case-based format. Emphasis will be placed on making sound clinical decisions within the dynamics of the interprofessional team and developing self-evaluation skills.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Therapeutic Modalities in Physical Therapy Practice	DPT 823	2 & 1	2	Functional Anatomy 1 and 2, and Applied Pathophysiology

**Course Description:** The course will cover the foundations of therapeutic (physical, mechanical, and electrical) modalities, their effects on human pathophysiology, and their therapeutic role in various musculoskeletal and neuromuscular disorders commonly seen in physical therapy practice. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Principles of Movement and Exercise Science	DPT 825	2 & 2	3	Biomechanics of Human Motion

**Course Description:** The course will provide the foundations of movement and exercise science. Students will learn different factors that influence movement such as motor learning and relearning, motor control, and the development of motor skills. The students will learn to identify and analyze normal and abnormal movement patterns through observation and use of video and computer technology to task analysis of various functional activities. For the foundations of exercise science, students will learn different types of therapeutic exercises and their impact on human physiology. They will also learn the role of therapeutic exercises as a tool for injury prevention and management of various disorders seen commonly in physical therapy practice. Students will learn various aspects of exercise science that includes, theory and application of fitness training, various aspects of exercise testing and prescription, and the effects of exercise and physical activity on factors influencing work and athletic performance, training programs, and adaptations that include the reduction of risk factors for various medical and surgical conditions. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Introduction to Diagnostic Imaging	DPT 826	2 & 2	1	Functional Anatomy 1 and 2, and Applied Pathophysiology

**Course Description:** The course will introduce various types of diagnostic imaging and other techniques such as plain film radiographs, magnetic resonance imaging, ultrasound imaging, computed tomography, nuclear medicine imaging, muscle and nerve electrophysiology test encountered by physical therapists in their daily clinical practice. The course will focus on the skill of viewing and interpreting the images and reports. The course will build on the knowledge gained in functional anatomy and applied pathophysiology courses. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Pharmacotherapeutics in Physical Therapy	DPT 829	2 & 2	2	Applied Pathophysiology

**Course Description:** The course will cover foundational principles of pharmacology including pharmacokinetics, pharmacodynamics, pharmacogenetics, pharmacotherapeutics, and pharmacy. The students will learn about therapeutic effects, side effects, indications, and contraindications of the drugs commonly encountered by physical therapists in their clinical practice. Students will also learn to optimize therapy sessions based on the knowledge of their patient’s current medication history. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Neurobiology and Therapeutics of Pain	DPT 828	2 & 2	2	Applied Pathophysiology and Foundations of Neuroanatomy and Neuroscience

**Course Description:** The course will provide foundational knowledge of pain mechanisms within the framework of biopsychosocial pain model. The course will cover the neurobiology, neurophysiology, and neuropsychology of pain and its effects on different stages of healing. The students will learn the characteristics of acute and chronic pain, pain assessment, and management in the context of physical therapy rehabilitation. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Building Blocks of Development	DPT 827	2 & 2	1	Enrollment in Physical Therapy Program

**Course Description:** The course will include an in-depth study of principles and “building blocks” of normal human development, including embryological and fetal development, gross, fine and oral motor development, primitive reflexes and their role in movement development as well as normal adult movement patterns. Emphasis will be placed on precursors for function in all positions. Students will study and be able to apply current theories of motor control, including basic principles, clinical implications, and limitations of each model. Principles of motor learning and skill acquisition will be applied to patient cases. An overview of abnormal development as well as public laws that guide pediatric practice will be provided. Pediatric examination, using both quantitative and qualitative measures will be introduced.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Musculoskeletal I: Foundations of Orthopedic Evaluation	DPT 832	3 & 1	3	Functional Anatomy 1 and 2, Biomechanics of Human Motion, and Principles of Movement and Exercise Science

**Course Description:** The course will build on the patient client management model to teach students the skill of hypothesis generation based on the subjective examination and the expertise of making clinical diagnosis based on the objective examination/evaluation followed by creating and implementing an efficient and effective plan of care, and outcome assessments for patients with commonly seen musculoskeletal disorders of the spine and extremities. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Neuromuscular I: Foundations of Neurologic Evaluations	DPT 834	3 & 1	3	Foundations of Neuroanatomy and Neuroscience and Principles of Movement and Exercise Science

**Course Description:** The course will build on the patient client management model to teach students the skill of hypothesis generation based on the subjective examination and the skills of making clinical diagnosis based on the objective examination/evaluation followed by creating and implementing an efficient and effective plan of care, and outcome assessments for patients with commonly seen neuromuscular disorders. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Primary care in Physical Therapy	DPT 833	3 & 1	2	Functional Anatomy I and II and Applied Pathophysiology

**Course Description:** The course will provide a framework for students to learn and become skilled as a physical therapist in a primary care model. The course will cover medical screening, systems examination and review, differential diagnosis, and recognition of potential red flags that requires

communication and need for referral to other appropriate health care professionals. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Critical Thinking within Inter-professional Framework III	IPE 712	3 & 1	1	Critical Thinking within Inter-professional Framework II

**Course Description:** This course is the final 1 credit of a 3 credit course series aimed to promote the development of critical thinking within the construct of an interprofessional clinical team. Students will advance their ability to apply critical thinking concepts relevant to interprofessional collaborative practice using a case-based format. Emphasis will be placed on refining the interprofessional clinical decision-making process and acquiring proficient self-evaluation skills needed for life-long learning.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Basics of Research and Statistics	DPT 835	3 & 1	2	Enrollment in Physical Therapy Program

**Course Description:** The course will cover the principles of research design and statistical methods for both the quantitative and qualitative research. The students will learn the process of performing original research, formulate a research question, effective literature search strategies, process of synthesizing research, designing research methodology, understanding threats and biases in a research design, and choosing appropriate statistical tests. Students will also learn about the mechanism of writing a research proposal, Institutional Review Board process, importance of ethics in research and various scholarly dissemination channels. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Clinical Experience Readiness	DPT 831	3 & 1	1	Introduction to Physical Therapy Profession

**Course Description:** This course helps students prepare for their first clinical experience. Professional behaviors (i.e. safety, ethics, initiative, and communication skills) will be further developed. Principles of patient centered care, documentation, patient confidentiality (HIPPA), and laws governing the supervision of support personal will be investigated. Strategies for self-reflection and conflict management will be explored. Topics of risk management, reimbursement, and advocacy will also be

introduced. Utilization of the Clinical Internship Evaluation Tool (CIET) with expected performance criteria and benchmarks will be introduced.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Integrated Clinical Experience (ICE)	DPT 830	3 & 2	4	Clinical Experience Readiness

**Course Description:** ICE is a six-week full time clinical affiliation in which the student begins to apply didactic knowledge, practices professional behaviors, and patient management skills in the clinical setting under the direct supervision of a licensed physical therapist.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Musculoskeletal II: Advanced concepts of Orthopedic Extremity conditions	DPT 842	4 & 1	3	Musculoskeletal I: Foundations of Orthopedic Evaluation

**Course Description:** The course will build on the Musculoskeletal I course to teach students the advanced psychomotor and clinical reasoning skills to become an entry level expert to manage patients with all musculoskeletal disorders of the extremities. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Health Systems I: Foundations of Cardiovascular, Pulmonary, Lymphatics, integumentary, and other systems	DPT 843	4 & 1	3	Functional Anatomy I and II, Foundations of PT Skills, and Pathophysiology

**Course Description:** The course will build on the patient client management model to teach students the skill of physical therapy subjective and objective examination, evaluation, prognosis, and diagnosis followed by creating an efficient and effective plan of care, and outcome assessments for patients with commonly seen cardiovascular, pulmonary, lymphatics, integumentary, and other medical and surgical disorders. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Art of Healing I	DPT 841	4 & 1	1	Introduction to Physical Therapy Profession

**Course Description:** This the first course in a series of three courses that is created in collaboration with the Department of English, Art, and Communication that takes a deeper dive into pain, grief, and suffering through art, cinema, and literature and its impact on their patients' lives and their ability to heal. The students will learn techniques to grow in their empathy and compassion. These courses will place students in a unique position to advance their career path to address the social determinants of health and the societal need for diversity, equity, inclusion, and justice.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Organizational Leadership	DPT 847/ NU 743	4 & 1	3	Introduction to Physical Therapy Profession

**Course Description:** This course focuses on theoretical foundations and conceptual principles of leadership, professional collaboration, communications, and the skills necessary to practice leadership competently in healthcare environments, recognizing that organizational and systems leadership are critical to the promotion of high quality and safe patient care. Key concepts including ethical and critical decision making, motivation and individual behavior, interpersonal and group behavior, job satisfaction, work stress and culture, and influences of micro-, meso-, and macro-organizational behaviors are explored. The course is designed to enhance leadership self-awareness and to encourage students to fashion personal perspectives on how to lead professionally. Analyzing trends and issues in the current health care system that have implications for exercising leadership will help students determine the way they can make a difference.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Application of Research and Statistics	DPT 845	4 & 2	1	Basic of Research and Statistics

**Course Description:** The course will build on the knowledge of basic research design and statistics. Students will perform a literature review in an interested area to identify a gap in the literature to develop an original research proposal that would include appropriate research design and statistical tests. The students will develop an IRB proposal ready for submission. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Quality and Data Analytics	DPT 846/ NU 710	4 & 2	3	Introduction to Physical Therapy Profession

**Course Description:** This course focuses on quality, informatics, and the role of statistics in quality improvement. Concepts, models, and strategies of quality improvement and informatics are examined. Students will apply principles of quality and regulatory management with an emphasis on defining, measuring, and evaluating outcomes within and across organizational systems. The student will apply informatics and statistical concepts to identify, gather, process, and manage information/data. At the end of the course, the student will be able to create and implement innovative solutions to improve patient care and safety.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Rehabilitation Technology in Physical Therapy	DPT 848	4 & 2	2	Biomechanics of Human Motion

**Course Description:** The course will cover the physical therapy evaluation and management of a patient with a need of or has an orthosis, prosthesis, or an assistive technology device. The students will learn about the role of a physical therapist in an interprofessional team to become proficient in determining the need, prescribe, refer/obtain, and evaluate the effectiveness of the device in improving patients' functional outcomes. The students will also learn to evaluate and recommend patient's home and workspace for proper ergonomics to alleviate pain and dysfunction. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Neuromuscular II: Rehabilitation principles of non-traumatic neurological and vestibular conditions	DPT 844	4 & 2	3	Neuromuscular I

**Course Description:** The course will build on the Neuromuscular I course to teach students the advanced psychomotor and clinical reasoning skills to become an entry level expert to manage patients with all the non-traumatic neurological and vestibular disorders. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Interprofessional Ethical and Legal Issues in Clinical Practice	IPE 715	5 & 1	2	Introduction to Physical Therapy Profession

**Course Description:** This course examines the ethical, moral, and legal accountability and professional responsibility for clinical practitioners, leaders, and educators. Ethical leadership and the roles of the leaders, team members, and educators in clinical practice as it relates to social justice, technology and business, research, and advanced practice specialty areas will be explored. The regulatory and legal framework for various interprofessional clinical practices will be addressed. Ethical reasoning, decision making, and action will be applied.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Art of Healing II	DPT 851	5 & 1	1	Art of Healing I

**Course Description:** This is the second course in a series of three courses that is created in collaboration with the Department of English, Art, and Communication that takes a deeper dive into pain, grief, and suffering through art, cinema, and literature and its impact on their patients' lives and their ability to heal. The students will learn to integrate empathy and compassion during rehabilitation. This course will build upon the first course. The situations and scenarios will be more complex than the first course.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Musculoskeletal III: Advanced concepts of Orthopedic Spinal and Temporomandibular joint Conditions	DPT 852	5 & 1	3	Musculoskeletal I

**Course Description:** The course will build on the Musculoskeletal I course to teach students the advanced psychomotor and clinical reasoning skills to become an entry level expert to manage patients with all musculoskeletal disorders of the spine and temporomandibular joint. The course material will be delivered in both lecture (online and face to face) and laboratory format.

**DOCTOR OF  
PHYSICAL THERAPY**

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Health Systems II: Advanced concepts in Cardiovascular, Pulmonary, Lymphatics, integumentary, and other systems	DPT 853	5 & 1	3	Health Systems I

**Course Description:** The course will build on the Health Systems I course to teach students the advanced psychomotor and clinical reasoning skills to become an entry level expert to manage patients with all cardiovascular, pulmonary, lymphatics, integumentary, and other medical and surgical disorders. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Physical Therapy for the Golden years	DPT 857	5 & 1	2	Musculoskeletal I, Neuromuscular I, Pharmacology, Neurobiology and Therapeutics of Pain, Art of Healthy Living

**Course Description:** The course will cover topics related with aging adults such as chronic pain, side effects of polypharmacy, loneliness, and other psychological and physical disorders that leads to social isolation. The course will explore the opportunities to improve health and wellness, quality of life, reintegration, and the productive role the aging adults can play in the society. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Diagnostic Imaging and Clinical Decision Making	DPT 856	5 & 2	1	Introduction to Diagnostic Imaging, MUSCULOSKELETAL I, II, and III

**Course Description:** This is the advanced diagnostic imaging course that builds on the knowledge that was previously gained in the introduction to diagnostic imaging course and other clinical courses. The students will learn the guidelines, and ethical and legal considerations for the need of a diagnostic image

and electrophysiological testing and need to recommend or refer it to appropriate healthcare professionals. Students will also learn to view and interpret abnormal findings and correlate clinically with the patient's presentation that would aid in making a clinical diagnosis and physical therapy management. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Neuromuscular III: Rehabilitation principles of Traumatic Brain and Spinal cord injuries	DPT 854	5 & 2	3	Neuromuscular I

**Course Description:** The course will build on the Neuromuscular I course to teach students the advanced psychomotor and clinical reasoning skills to become an entry level expert to manage patients with all the traumatic brain and spinal cord injuries. The course material will be delivered in both lecture (online and face to face) and laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Strategic Analysis	DPT 858/MBA 722	5 & 2	3	Introduction to Physical Therapy Profession

**Course Description:** Strategic Analysis introduces the concepts within business strategy as a competitive advantage, by framing the fundamental relationship between strategy and operational effectiveness. It prepares students to develop and present a strategic plan by working on an individual and/or team basis using industry-leading tools such as value chain analysis, benchmarking, and Blue Ocean strategy. Best practices in strategic methods are applied to for-profit and not-for-profit sectors in both U.S. and global contexts, with an emphasis on critical analysis and ethical leadership behaviors across industries.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Empowering Children and Adolescents to Functional Independence	DPT 855	5 & 2	2	Building Blocks of Development

**Course Description:** This evidence-based course will cover in-depth knowledge on the examination, evaluation, diagnosis, prognosis, intervention, and discharge planning for pediatric clients across all

settings from birth through adolescence and into young adulthood. Students will build upon concepts of normal development, motor control, and motor learning to develop a theoretical framework for addressing the physical therapy needs of children and adolescents who have musculoskeletal and/or neurological system dysfunction. Emphasis will be placed on empowering children and caregivers to maximize lifelong functional independence.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Musculoskeletal IV: Managing Orthopedics Cases	DPT 862	6 & 1	1	Musculoskeletal I, II, and III

**Course Description:** The course will build on all the previous musculoskeletal clinical courses. The students will have the opportunity to put it all together their contemporary expertise in a case-based format. The students will practice their psychomotor and clinical reasoning skills to evaluate, diagnose, develop, and implement an efficient and effective plan of care during peer-to-peer simulated clinical scenarios. The course material will be delivered in a laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Neuromuscular IV: Managing Neurologic Cases	DPT 864	6 & 1	1	Neuromuscular I, II, and III

**Course Description:** The course will build on all the previous neuromuscular clinical courses. The students will have the opportunity to put it all together their contemporary expertise in a case-based format. The students will practice their psychomotor and clinical reasoning skills to evaluate, diagnose, develop, and implement an efficient and effective plan of care during peer-to-peer simulated clinical scenarios. The course material will be delivered in a laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Health Systems III: Managing Medically Complex Cases	DPT 863	6 & 1	1	Health Systems I and II

**Course Description:** The course will build on all the previous health systems clinical courses. The students will have the opportunity to put it all together their contemporary expertise in a case-based format. The students will practice their psychomotor and clinical reasoning skills to evaluate, diagnose, develop, and implement an efficient and effective plan of care during peer-to-peer simulated clinical scenarios. The course material will be delivered in a laboratory format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Principles of Evidence Informed Practice	DPT 865	6 & 1	2	Basics of Research and Statistics

**Course Description:** The course will cover the three principles of evidence based/informed practice. The students will learn to formulate a foreground clinical question, find most relevant and high-quality research article, perform a quantitative and a qualitative appraisal of research articles to answer the clinical question. The course will emphasize on making students a consumer of research who are skilled in analyzing and evaluating research that would aid in their clinical decision making. The course will be delivered in a hybrid format.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Art of Healing III	DPT 861	6 & 1	1	Art of Healing II

**Course Description:** This the third and final course in a series of three courses that is created in collaboration with the Department of English, Art, and Communication that takes a deeper dive into pain, grief, and suffering through art, cinema, and literature and its impact on their patients' lives and their ability to heal. This course will build upon the first and the second course. The situations and scenarios will be more complex than the previous two courses. The student will apply the techniques to healthcare situations to bring positive behavioral change in their patients' lives.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Health Policy and Health Economics	DPT 866/NU 738	6 & 1	2	Introduction to Physical Therapy Profession

**Course Description:** This course introduces economic concepts and current policy issues facing the United States health care system. Issues of cost, quality, access, disparities, and finance will be examined from the view of payers, providers, and regulators, and the interactions of these stakeholders both within the United States and in comparison, with global markets. Topics will include various health care markets, the role of government in financing of health care, the structure and functions of public and private health insurance, economic components of the delivery system, and understanding the challenges of health care reform.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Terminal Clinical Experience I	DPT 860	6 & 2	4	All didactic coursework

**Course Description:** Terminal Clinical Experience I is a six-week full time clinical affiliation in which the student continues to apply didactic knowledge, practices professional behaviors, and patient management skills in the clinical setting under the direct supervision of a licensed physical therapist to progress towards entry- level professional practice.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Terminal Clinical Experience II	DPT 870	7 & 1	8	All didactic coursework

**Course Description:** Terminal Clinical Experience II is a twelve-week full time clinical affiliation in which the student applies didactic knowledge, practices professional behaviors, and patient management skills in the clinical setting under the direct supervision of a licensed physical therapist to progress towards entry- level professional practice.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Capstone Project	DPT 871	7 & 1	1	All didactic coursework

**Course Description:** This course will provide an opportunity to students to develop a capstone project in scholarship, clinical practice, or community service that shows their commitment towards lifelong learning and professional development. Through the project the students will provide an essence of nurturing and upholding the Carlow University's and the Carlow Physical Therapy program's mission and core values through their professional career.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Terminal Clinical Experience III	DPT 880	8 & 1	8	All didactic coursework

**Course Description:** Terminal Clinical Experience III is a twelve-week full time clinical affiliation in which the student applies didactic knowledge, practices professional behaviors, and patient management skills in the clinical setting under the direct supervision of a licensed physical therapist to progress towards entry- level professional practice.

Course Name	Course Number	Term & Session	Credit Hours	Prerequisites
Comprehensive Exam (Preparation for Physical Therapy Clinical Practice)	DPT 881	8 & 1	1	All didactic coursework

**Course Description:** The course will offer an opportunity for students to learn about the National Physical Therapy Examination (NPTE) and the general process of license issuing from a Physical Therapy State board, including the jurisprudence exam. The students will learn about the NPTE content outline to develop a study plan to prepare for the license exam. The students will be expected to integrate and synthesize all the didactic and clinical coursework to prepare for an NPTE style comprehensive multiple-choice examination. The course will also cover post-professional specializations and pathways to help students map out their professional growth and development in clinical skills and leadership. The course will also cover topics such as CV development and preparation for job interviews, financial debt management, socially responsible practice, consequences of malpractice, and advocacy of the profession through participation in professional associations and being a mentor/clinical instructor to others. The course will be offered in a hybrid format.