

CEBU DOCTORS' UNIVERSITY  
GRADUATE SCHOOL  
Mandaue City

CURRICULUM

MASTER OF SCIENCE IN PHYSICAL THERAPY (MSPT)

I FOUNDATION SUBJECTS-----12 units

Educ 100	Methods of Research .....	3
Educ 101	Statistics.....	3
MSPT 200	Applied Kinesiology.....	3
MSPT 201	Clinical Neuroscience.....	3

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II MAJOR SUBJECTS (FIELD OF CONCENTRATION) -----21 units

MSPT 202	Pharmacology.....	2
MSPT 203	Imaging and Electrodiagnosis in Physical Therapy(PT) .....	2
MSPT 204	.PT with Evidence Based Practice(EBP) in Intergumentary Disorders....	2
MSPT 205	PT with EBP in Muscoskeletal Disorders.....	3
MSPT 206	PT with EBP in Neurological Disorders.....	3
MSPT 207	PT with EBP in Cardiopulmonary and other Rehab Conditions.....	3
MSPT 208	PT with EBP in Geriatric and Pediatric Conditions.....	3
MSPT 209	PT Administration and Service Delivery.....	3

III COGNATES-----6 units

OD 107	Ethics and Jurisprudence in Physical Therapy.....	3
MSPT 210	Education in Physical Therapy.....	1.5
MSPT 211	Health Promotion and Wellness in PT and Rehabilitation.....	1.5
	.....	3

MASTER'S THESIS-----6 units

SUMMARY

Foundation Subjects.....	12
Major Subjects.....	21
Cognates.....	6
Master's Thesis.....	6
Total.....	45

COURSE REQUIREMENTS

- Comprehensive Examination
- Master's Thesis

## COURSE DESCRIPTIONS

### FOUNDATION SUBJECTS (credit: 12 units)

#### Educ 100 - Methods of Research (credit: 3 units; lecture:54 hours)

The course exposes the graduate students pursuing their master course to the research process in education through the discussion through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on a approved topic.

#### Educ 101 - Statistics (credit:3 units; lecture:54 hours)

The course immerses the graduate students in the research processes and the statistical measures and interpretation of research data. The expected output is a research design for a master's thesis.

#### MSPT 200 - Advanced Kinesiology (credit:3 units; lecture: 54 hours)

An in-depth study of the movements of the human body and the application of theories and principles of biomechanics to specific body regions. Involves analysis of various motor skills needed to arrive to effective Physical Therapy interventions to treat movement dysfunctions.

#### MSPT 201 – Clinical Neuroscience (credit:3 units; lecture:54 hours)

An up-to-date examination of the nervous system, its anatomy, physiology, pathophysiology and their clinical implications. Includes neurological diseases with emphasis on movement disorders due to dysfunction of the nervous system and the mechanisms and implications of modern treatments.

### MAJOR SUBJECTS(FIELD OF CONCENTRATION) (credit:21 units)

#### MSPT 202 - Pharmacology (credit:2 units; lecture 36 hours)

A study on the underlying principles and mechanisms of pharmacology with emphasis on the therapeutic, toxic and addictive actions of drugs used in physical rehabilitation. Encompasses the physiological, anatomical and biochemical perspective for the interaction of drugs and chemicals in the human body. Current researches on drugs used in physical rehabilitation are integrated

#### MSPT 203 - Imaging and Electrodiagnosis in Physical Therapy (credit:2 units; lecture:36 hours)

A discussion of the foundations and principles of imaging and electrodiagnostic procedures and their therapeutic and diagnostic use in physical therapy. Use of X-ray, CT-Scan, MRI, Ultrasound, ECG, EEG, EMG-NCV in relation to physical rehabilitation and their role in differential diagnosis and PT treatment are emphasized. Case studies and current researches are incorporated.

MSPT 204 - PT with Evidence Based Practice(EBP) in Intergumentary Disorders (credit:2 units; lecture: 36 hours)

A study of the disorders of the Integumentary System including their pathophysiology and differential diagnosis. Emphasis is on the various PT assessment and PT interventions with emphasis on Evidence-Based Practices (EBP). Critical inquiry, clinical decision-making, and evaluation of intervention techniques are given focus. An overview of the medical and surgical interventions are also integrated.

MSPT 205 - PT with EBP in Musculoskeletal Disorders (credit:3 units; lecture:54 hours)

An in-depth re-examination of the disorders involving the muscles, bones and joints including its various PT assessment procedures and PT interventions. Critical inquiry, clinical decision-making, and evaluation of intervention techniques based on evidence are given focus. Differential diagnosis of musculoskeletal disorders is also embodied in this course together with clinical imaging, electrodiagnosis, medical and surgical interventions.

MSPT 206 - PT with EBP in Neurological Disorders (credit:3 units; lecture:54 hours)

An in-depth study of the different disorders affecting the nervous system from the perspective of Physical Therapy. PT assessment procedures and PT interventions used to manage these disorders are discussed with focus on evidence, critical inquiry, and clinical decision-making. Incorporated in this course is the differential diagnosis of the neurological disorders including clinical imaging, electrodiagnosis, medical and surgical interventions.

MSPT 207 - PT with EBP in Cardiopulmonary and other Rehab Conditions (credit:3 units; lecture: 54 hours)

A study of various disorders affecting the Cardiovascular and Respiratory System, their pathophysiology and differential diagnosis. Emphasis is on the various PT assessment and PT interventions focusing on evidence-based PT practices, critical inquiry, and clinical decision-making. Clinical imaging, electrodiagnosis and an overview of the medical and surgical interventions are also integrated.

MSPT 208 - PT with EBP in Geriatric and Pediatric Conditions (credit:3 units; lecture:54 hours)

A study of the various conditions affecting the geriatric and pediatric population from the perspective of Physical Therapy. PT assessment procedures and PT interventions emphasizing on evidence, critical inquiry, and clinical decision-making. Incorporated in this course is the differential diagnosis of common pediatric and geriatric disorders including clinical imaging, electrodiagnosis, medical and surgical interventions.

MSPT 209 - PT Administration and Service Delivery (credit:3 units; lecture:54 hours)

Principles of management and administration as applied in the Physical Therapy rehabilitation setting. Includes an understanding of the healthcare service delivery system, financing and reimbursement policies in the Philippines and in some countries abroad. Leadership skills, communication in Physical Therapy and professional development are also included.

COGNATES (credit: 6 units)

OD 107 – Ethics and Jurisprudence in Physical Therapy(credit:3 units:lecture:54 hours)

Ethical theories and principles involving the practice of Physical Therapy and its application in the current setting in the Philippines and some countries abroad. Includes laws, regulations and policies governing PT practice, critical analysis of common ethical dilemmas and professional issues encountered in the practice of PT. This course also encompasses the code of ethics of the Philippine Physical Therapy Association (PPTA) and the American Physical Therapy Association (APTA) as well as the Guide for Professional Conduct and Standard of Practice of PPTA and APTA.

MSPT 210 – Education in Physical Therapy (credit: 1.5 units; lecture: 27 hours)

A study of teaching-learning theories and principles, strategies of instruction and evaluation of PT students both in classroom and clinical setting. Concepts to enhance and develop the mentoring skills of Physical Therapists as a professionals are all included.

MSPT 211 - Health Promotion and Wellness in Physical Therapy (credit:1.5 units; lecture:27 hours)

An overview of health and wellness, with emphasis on physical exercise to promote health and well-being. Encompasses the effects of lifestyle choices on personal health including the physical, mental, emotional and social aspects. Topics related to nutrition, physical fitness, stress management, and disease prevention are also included. Basic information on the counseling process and techniques as they apply to health care settings (clinic and community) to make informed and healthful decisions to promote wellness with focus on self responsibility is also integrated.

MASTER'S THESIS (credit:6 units)

A thesis that is related to physical therapy assessment, intervention or other clinically relevant issues.