

**Curriculum Vitae of Erasmo L. Alvarez, P.T., D.P.T.**  
Florida International University  
Department of Physical Therapy

**ACADEMIC EDUCATION**

**Florida State University**

College of Education  
Tallahassee, FL

- Doctor of Education in Learning Design & Performance Technology 2022 - Current

**University of Florida**

Department of Anatomy & Cell Biology, College of Medicine  
Gainesville, FL

- Anatomical Sciences Education Graduate Certificate 2021-2022

**University of Montana**

School of Physical Therapy & Rehabilitation Science  
Missoula, MT

- Doctor of Physical Therapy 2009-2011

**University of Miami**

School of Medicine, Division of Physical Therapy  
Coral Gables, FL

- Master of Science in Physical Therapy 1992-1994

**Florida International University**

Miami, FL

- Bachelor of Science in Health Education  
Exercise Physiology Track 1989-1992

**Miami-Dade Community College**

Miami, FL

- Associate in Arts in Business Administration 1987-1987

**PROFESSIONAL EDUCATION**

- Society for NeuroSports Annual Conference, Hollywood, FL 2022
- FPTA Conference, Orlando, FL 2021
- Harvard University, Graduate School of Education, Cambridge, MA 2021
  - The Online Classroom: Strategies for Higher Education Teaching & Learning
- Florida International University, Miami, FL 2020

- Remote Teach Ready,
- FPTA Conference, Orlando, FL 2019
- APTA Next National Conference, Orlando, FL 2018
- Concussion Management: Current Concepts, Miami, FL 2017
- Pediatric Sports Medicine Grand Rounds, Davie, FL 2015
- Pediatric & Adolescent Hip & Knee Update, Hollywood, FL 2014
- Stroke Awareness Class, Miramar, FL 2013
- Transitional Doctor of Physical Therapy, Missoula, MT 2011
- Medical Errors, Miramar, FL 2011
- HIV/AIDS & Risk Management, Jacksonville, FL 2011
- Maximizing the Potential of the Adolescent Athlete, Weston, FL 2009
- Anatomy & Physiology of Common Sports & Overuse Injuries, Jacksonville, FL 2009
- The Ethics of Cultural Competency, Jacksonville, FL 2009
- Medical Errors, Miramar, FL 2009
- HIV/AIDS, Jacksonville, FL 2009
- Radiology for Physical Therapists, Fort Lauderdale, FL 2007
- Medical Errors in Physical Therapy, Parkland, FL 2007
- Dietary Minerals, Parkland, FL 2007
- Depression and Patient Care, Coral Springs, FL 2005
- Advanced Technology for Therapists, Fort Lauderdale, FL 2005
- 9<sup>th</sup> Annual Sports Medicine Symposium, South Miami, FL 2005
- S1 - Introduction to Spinal Evaluation & Manipulation, Coral Springs, FL 2002
- International Meeting for Sports Medicine,  
Arthroscopy & Rehabilitation 2001, Coral Gables, FL 2001
- Complementary Therapies and Rehabilitation, Coral Gables, FL 2001

- Electrotherapy: Uses and Abuses, Wound Care and Pain, Coral Gables, FL 2001
- Pharmacology: The Impact of Drugs on Rehabilitation, Coral Gables, FL 2001
- Lumbar Spine: Differential Diagnosis, Clinical Findings and Treatment, Coral Gables, FL 2001
- Has Anyone Seen My Brain? A Neuroanatomy Review, Coral Gables, FL 2001
- Wellness Applications in Physical Therapy, Coral Gables, FL 2001
- HealthSouth Continuing Education Network, Birmingham, AL 1996-1997
  - Shoulder I & II
  - Efficient Quality Care
- Advanced Concepts in ACL Rehabilitation 1996-1997
- HealthSouth Continuing Education Network, Birmingham, AL 1996-1997
  - Knee I, II & III
  - Ankle I
- Mobilization of the Spine, Coral Gables, FL 1996-1997
- Training & Conditioning of the Throwing Athlete, Miami, FL 1996-1997
- Clinical Competencies of Sports Physical Therapy, Nashville, TN 1995
- 15th Annual Physician-Therapist Team Concept Conference, Orlando, FL 1994

### **FULL-TIME ACADEMIC EXPERIENCE**

#### **Florida International University**

2016 - Current

Department of Physical Therapy

Clinical Assistant Professor

- Develops syllabi that clearly outline the course requirements, rationale, goals, and objectives. Submits digital copies of syllabi and course handouts to the director of the physical therapy department.
- Selects textbooks and other resources for the class.
- Prepares class sessions and assignments to help students grasp course content and how it integrates with overall student learning outcomes for the course
- Teaches courses according to the FIU descriptions and in accordance with defined course standards and outcomes
- Creates a learning environment that encourages student involvement and participation.
- Documents students' attendance, participation, and academic progress by giving and grading assignments, projects, quizzes and/or examinations that lead to a final grade.

- Submits course grades to the FIU Registrar by the assigned date.

### **PART-TIME ACADEMIC EXPERIENCE**

#### **Florida International University**

2004-2016

Department of Physical Therapy

Adjunct Professor

- Develops syllabi that clearly outline the course requirements, rationale, goals, and objectives. Submits digital copies of syllabi and course handouts to the director of the physical therapy department.
- Selects textbooks and other resources for the class.
- Prepares class sessions and assignments to help students grasp course content and how it integrates with overall student learning outcomes for the course
- Teaches courses according to the FIU descriptions and in accordance with defined course standards and outcomes
- Creates a learning environment that encourages student involvement and participation.
- Documents students' attendance, participation, and academic progress by giving and grading assignments, projects, quizzes and/or examinations that lead to a final grade.
- Submits course grades to the FIU Registrar by the assigned date.

### **NON-ACADEMIC EXPERIENCE**

#### **Memorial Miramar Hospital**

2005-2020

#### **Outpatient Rehabilitation Center & U18 Sports Medicine**

Miramar, FL

- Sports & Orthopedic Physical Therapist
- Community Outreach Presenter

#### **Baptist Health Doctors Hospital**

1996-2006

#### **Sports Medicine & Rehabilitation Center**

Coral Gables, FL

- Sports & Orthopedic Physical Therapist
- Clinical Coordinator for Clinical Education
- Exercise Physiologist
- S.U.M. Rehabilitation Clinical Instructor
- Clinical Educator for Medical Residents, Fellows and Physicians
- Continuing Education & Back Education Lecturer
- Orthopedic Evaluator for High School Physicals

#### **Baptist Hospital**

1996

#### **Outpatient Rehabilitation Center**

Miami, FL

- Sports & Orthopedic Physical Therapist

<b>American College of Sports Medicine</b> <b>HealthSouth Doctors Hospital</b> Coral Gables, FL <ul style="list-style-type: none"> <li>• Health &amp; Fitness Instructor/Exercise Leader</li> <li>• Certification Examiner</li> </ul>	1995-1996
<b>Physical Therapy Associates, P.A.</b> South Miami, FL <ul style="list-style-type: none"> <li>• Sports &amp; Orthopedic Physical Therapist</li> </ul>	1995-1996
<b>University of Miami</b> <b>Division of Physical Therapy</b> Coral Gables, FL <ul style="list-style-type: none"> <li>• Graduate Lab Assistant for Kinesiology I &amp; II Courses</li> </ul>	1993
<b>Metro-Dade Police Department Training Bureau &amp; HealthSouth Doctors Hospital</b> Miami, FL <ul style="list-style-type: none"> <li>• Exercise Physiologist</li> </ul>	1992-1995

#### **COURSES TAUGHT AT FLORIDA INTERNATIONAL UNIVERSITY**

- **PHT 5070 Principles of Diagnostic Imaging (1).** This course covers the basic physics of medical imaging and provides an overview of various diagnostic imaging tools such as X-rays, Scans, MRI, Ultrasound with emphasis on the musculoskeletal system.
- **PHT 5174 Analysis of Movement and Function (3).** The course is designed to give physical and/or occupational therapy students the cognitive skills necessary to analyze human movement in the context of physical therapy practice
- **PHT 5174L Analysis of Movement and Function Lab (1).** The course is designed to give physical and occupational therapy students the psychomotor skills necessary to analyze human movement in the context of PT practice.
- **PHT 5180 Musculoskeletal Diagnosis and Management I (3).** This course is designed to prepare the student in the area of physical therapy related musculoskeletal diagnosis and treatment with focus on upper extremities.
- **PHT 5180L Musculoskeletal Diagnosis and Management I Lab (1).** This is the laboratory course designed to prepare students for evaluating and treating physical therapy related musculoskeletal diagnosis.
- **PHT 5181 Musculoskeletal Diagnosis and Management II (3).** This is designed to prepare the student in the area of Physical Therapy related musculoskeletal diagnosis treatment with focus on lower extremities.
- **PHT 5181L Musculoskeletal Diagnosis and Management II Lab (1).** This is a laboratory course designed to prepare students for evaluating and treating physical therapy related musculoskeletal diagnosis.

- **PHT 5182 Musculoskeletal Diagnosis and Management III (3).** This course is designed to prepare the student in the area of Physical Therapy related musculoskeletal diagnosis and treatment with focus on the spine.
- **PHT 5182L Musculoskeletal Diagnosis and Management III Lab (1).** This is a laboratory course designed to prepare students for evaluating and treating physical therapy related musculoskeletal diagnosis specific to the spine.
- **PHT 5205 Clinical Skills (3).** Utilizing a seminar format, this course will provide the student with the theory and practice of necessary and basic physical therapy clinical skills. Prerequisites: Admission to the PT Program or permission of instructor.
- **PHT 5205L Clinical Skills Lab (1).** Utilizing a laboratory format, this course will provide the student with the theory and practice of necessary and basic physical therapy clinical skills. Prerequisites: Admission to the PT Program or permission of instructor.
- **PHT 5523 Dimensions of Professional Practice Seminar I (3).** This is the first in a sequence of four courses designed to prepare the student in the areas of physical therapy related research, administration, education and professional issues
- **PHT 5303 Principles of Pathophysiology in Physical Therapy (3).** This pathology course is designed for physical therapy students. It deals with the pathophysiologic processes that affect specific tissues and organ systems of the body.
- **PHT 5805 Clinical Internship I (3).** This is the first in a sequence of 4 supervised full-time clinical internships designed to offer the student experiences in patient evaluation and care with emphasis on musculoskeletal dysfunction.
- **PHT 6009 Differential Diagnosis in Physical Therapy (3).** This course is designed to enable the physical therapy student to engage in the diagnostic process to establish differential diagnoses for patients across the life span.
- **PHT 6125 Clinical Biomechanics (3).** An introduction to temporal parameters, kinetics and kinematics of normal and pathological movement.
- **PHT 6127 Advanced Pathologic Movement Analysis (3).** Explores the abnormal gait and movement patterns as they relate to pathologic states involving either the musculoskeletal or the neurologic system, or both.
- **PHT 6341 Diagnosis and Management of Disease (3).** Covers Physical Therapy implications of disease processes, conditions and systemic disorders throughout the lifespan. Prerequisite: All Fall Semester Courses-Year I.
- **PHT 6341L Diagnosis and Management of Disease Lab (1).** The practicum portion of PHT 6341 that covers physical therapy intervention in disease processes, conditions, and systemic disorders throughout the life span.
- **PHT 6353 Principles of Diagnostics and Pharmacology in Physical Therapy (3).** Topics include interpretation of medical laboratory tests results, diagnostics imaging, and pharmacology with a focus on effects, side effects, and toxicity in relation to PT interventions.
- **PHT 6365 Theories in Sports Physical Therapy (3).** Study and exploration of relevant issues in sports physical therapy. Focus on problem identification, investigation, analysis, and problem-solving approaches.

- **PHT 6547 Case Management in Physical Therapy (1).** Comprehensive physical therapy patient care management and practice review cumulating in a simulated physical therapy licensure examination.
- **PHT 6817 Clinical Internship II (3).** This is the second in a sequence of 4 supervised full-time clinical internships designed to offer the student experience in patient evaluation and care with general medical and surgical clients.
- **PHT 6827 Clinical Internship III (3).** This is the third in a sequence of 4 supervised full-time clinical internships designed to offer the student experience in patient evaluation and care with the neurologically involved client.
- **PHT 6828 Clinical Internship IV (3).** This is the final in a sequence of 4 supervised full-time clinical internships designed to offer the student experience in patient care in a specialty setting, including but not limited to pediatrics, SCIP, burns, etc.
- **PHT 6905 Independent Study (1-3).** Individually determined, research-oriented, in-depth study of a physical therapy issue. An independent study contract must be approved by the instructor.
- **PHT 6970 DPT Project (3).** An individually supervised project for physical therapy students.

## SCHOLARSHIP

### **Florida International University**

Departments of Athletic Training and Physical Therapy 2017-2018

- Montalvo, A., Alvarez, E. *Clinical Assessment of Quadriceps to Hamstrings Ratio: Literature Review.* ATR 6620 & 6621 Research and Evidenced-Based Practice in Athletic Training I & II Course Work

### **Florida International University**

Department of Physical Therapy: PHT 6970 DPT Projects

- Godotti, I., Castellanos, C., Nelson, H., Alvarez, E. *The Effect of Postural Training on Temporomandibular Disorders – A Systematic Review.* 2018
- Rossi, M., Biswas, H., Finger, J., Garcia, M., Alvarez, E. *Diagnosis Ultrasound: Categorizing Vastus Lateralis Diameter, Is It Reliable?* 2019-2020
- Viera, E., Charles, L., Cortes, M., Lees, T., Alvarez, E. *The Reliability and Validity of Diagnostic Ultrasound to Screen and Diagnose Sarcopenia in Older Adults\_ A Systematic Review* 2020-2021
- Rossi, M., Sanchez, J., Dotinga, S., Alvarez, E. *Summary of Ultrasound Imaging and Quadricep Size* 2020 - Current
- Rossi, M., Clark, C., Balladares, D., Alvarez, E. *Quadriceps and Hamstring Muscular Characteristics during Isokinetic testing* 2021 - Current
- Vieira, E., Guardia, A., Incer, A., Thakor, A., Alvarez, E. *Effects of COVID-19 on Outpatient Physical Therapy Practice - An Online Survey* 2021 - Current
- Viera, E., Van K., Santos, J., Mendez, J., Alvarez, E. *Evaluating Muscle Activation During Yoga Postures* 2021 - Current

## **GRANTS**

- On-Demand Clinical Case Simulations for the Health Sciences 2020  
Total Amount: \$23,700.00
- Establishing a Physical Therapy Test Bank of Questions: 2020  
Licensure Exam Preparedness  
Total Amount: \$7733.00

## **PRESENTATIONS**

- Miami-Dade College, Miami, FL 2023
  - 2023 AIR Dance Conference Presenter
- Florida International University, Miami, FL 2023
  - 2023 Annual Faculty Innovations for Student Success Showcase Presenter
- Florida International University & Miami-Dade Public Schools, Miami, FL 2022
  - 2022 Arts@Day Presenter
- Florida Physical Therapy Association, Orlando, FL 2021
  - Annual Conference Presenter
- Florida International University & Miami-Dade Public Schools, Miami, FL 2021
  - 2021 Arts@Day Presenter
- Florida Atlantic University, Boca Raton, FL 2021
  - Guest Lecturer for Exercise Science & Health Promotion Course
  - Pre-Health Sciences Professions Fair
- California State University, Los Angeles, CA 2021
  - Guest Lecturer for Pre-Physical Therapy and Athletic Training Association
- FIU Nicole Wertheim College of Nursing & Health Sciences, Miami, FL 2019  
Health Sciences Distinguished Speaker Series
  - Evidence Based Practice Presenter
- FIU School of Medicine, Miami, FL 2019 - Current
  - Orthopedic Special Interest Group Presenter
- FIU Therapy Students Organization, Miami, FL 2017
  - Physical Therapy Profession
- Florida Physical Therapy Association Student Conclave, Miami, FL 2016
  - Adolescent Sports Physical Therapy



Memorial Hospital Miramar, Miramar, FL Community Lecture Series on Wellness & Injury Prevention	2005-2020
<ul style="list-style-type: none"> <li>• Pediatric &amp; Adolescent Shoulder &amp; Elbow Update, Hollywood, FL</li> <li>• Pediatric &amp; Adolescent Hip &amp; Knee Update, Hollywood, FL</li> </ul>	
Florida International University, Miami, FL	2012
<ul style="list-style-type: none"> <li>• Mechanisms of Joint-Based Interventions for Pain: Structure &amp; Neurophysiology</li> </ul>	
NBC6 (local television network)	2005
<ul style="list-style-type: none"> <li>• Interviewed by health reporter for a segment on rehabilitation of low back pain</li> </ul>	
9th Annual Sports Medicine Symposium, South Miami, FL	2005
<ul style="list-style-type: none"> <li>• Guest Lecturer</li> </ul>	
HealthSouth Doctors Hospital, Coral Gables, FL	1996-2006
<ul style="list-style-type: none"> <li>• S.U.M. Rehabilitation Instructor</li> </ul>	
Florida International University, Athletic Training, Miami, FL	1996-2006
<ul style="list-style-type: none"> <li>• Guest Lecturer</li> </ul>	
University of Miami, Sports Medicine, Coral Gables, FL	1996-2006
<ul style="list-style-type: none"> <li>• Adjunct Faculty/Guest Lecturer</li> </ul>	
Metro-Dade Police Department Training Bureau, Miami, FL	1996-2006
<ul style="list-style-type: none"> <li>• Guest Lecturer</li> </ul>	
Westminster Christian High School, Miami, FL	1995
<ul style="list-style-type: none"> <li>• Guest Lecturer</li> </ul>	
Metro-Dade Police Department Training Bureau & HealthSouth Doctors Hospital, Coral Gables, FL	1994
<ul style="list-style-type: none"> <li>• Lecturer</li> </ul>	

#### **PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS**

Nicole Wertheim College of Nursing & Health Sciences	2019
<ul style="list-style-type: none"> <li>• Excellence in Teaching Award</li> </ul>	
Florida International University	2019
<ul style="list-style-type: none"> <li>• Presidential Leadership Program Alumnus</li> </ul>	

#### **OFFICES HELD IN PROFESSIONAL SOCIETIES**

Florida Physical Therapy Association	2019 - Current
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- Assembly Representative for the Southeast District

**OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE**

Florida International University  
Department of Physical Therapy

- Physical Therapy Admissions 2016 - Current
- Physical Therapy Departmental Program Review and Accreditation 2019

Florida International University  
Nicole Wertheim College of Nursing & Health Sciences

- Faculty Senate Alternate 2021 - Current
- Curriculum Review Committee Member 2020 - Current
- Faculty Practice Committee Member 2017 - Current

Florida International University  
Department of Athletics

- Physical Therapy Rehabilitation Consultant 2016 - Current

American Academy of Sports Physical Therapy

- Mentor to international and national physical therapy members 2021 - Current

**PROFESSIONAL ASSOCIATION MEMBERSHIP**

- American Physical Therapy Association 1993 - Current
- National Strength & Conditioning Association 2021 - 2022