

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

Education

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| Doctor of Education Florida State University | 2022 - Current |
| <ul style="list-style-type: none">• Major: Learning Design & Performance Technology• Expected graduation: Spring 2025 | |
| Graduate Certificate University of Florida | 2021-2022 |
| <ul style="list-style-type: none">• Major: Anatomical Sciences Education | |
| Doctor of Physical Therapy University of Montana | 2009-2011 |
| <ul style="list-style-type: none">• Major: Physical Therapy | |
| Master of Science University of Miami | 1992-1994 |
| <ul style="list-style-type: none">• Major: Physical Therapy | |
| Bachelor of Science Florida International University | 1989-1992 |
| <ul style="list-style-type: none">• Major: Health Education - Exercise Physiology Track | |
| Associate of Arts Miami-Dade Community College | 1987-1989 |
| <ul style="list-style-type: none">• Major: Business Administration | |

Licensure Information

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| Florida Physical Therapist | 1995 - Current |
| <ul style="list-style-type: none">• License # PT12042 | |

Certifications – N/A

Employment and Positions Held

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| Clinical Assistant Professor Florida International University | 2016 - Current |
| <ul style="list-style-type: none">• Department of Physical Therapy• Miami, FL | |
| Adjunct Professor Florida International University | 2004-2016 |

- Department of Physical Therapy
- Miami, FL

Sports & Orthopedic Physical Therapist 2005-2020
 Memorial Miramar Hospital

- Outpatient Rehabilitation Center & U18 Sports Medicine
- Miramar, FL

Sports & Orthopedic Physical Therapist 1996-2006
 Baptist Health Doctors Hospital

- Sports Medicine & Rehabilitation Center
- Coral Gables, FL

Sports & Orthopedic Physical Therapist 1996
 Baptist Hospital

- Outpatient Rehabilitation Center
- Miami, FL

Health & Fitness Instructor/Exercise Leader Certification Examiner 1995-1996
 American College of Sports Medicine & HealthSouth Doctors Hospital

- Wellness Center
- Coral Gables, FL

Sports & Orthopedic Physical Therapist 1995-1996
 Physical Therapy Associates, P.A.

- South Miami, FL

Graduate Lab Assistant for Kinesiology I & II Courses 1993
 University of Miami

- Division of Physical Therapy
- Coral Gables, FL

Exercise Physiologist 1992-1995
 Metro-Dade Police Department Training Bureau & HealthSouth Doctors Hospital

- Miami, FL

Peer Reviewed Publications – N/A

Peer Reviewed Scientific and Professional Presentations

Alvarez, E. 2024
Mobility and Stability Training for Dancers

- 2024 FIU Arts@Day, Miami, FL

Alicea, J., Capote, D., Alvarez, E., Arias, M., Stuart, J., Bromfield, S., and Rossi, M. 2024
The Use of Augmented Reality in Physical Therapy.

- Florida Physical Therapy Conference, Orlando, FL

- Baptist Health Academic Week Conference, Miami, FL
- Brutti, J., Hommen, J.P., Capote, D., Alvarez, E., and Rossi, M. 2024
Analyzing Patient Orthopedic Conditions and Expectations in a Clinical Setting.
- Florida Physical Therapy Conference, Orlando, FL
 - Baptist Health Academic Week Conference, Miami, FL
- Vieira, E., Alvarez, E., Mousa, A., Di Fausto, S., Richard, B., and Heggs, R. 2024
Trunk & Lower Extremity Muscle Activation During Yoga.
- American College of Sports Medicine, Boston, MA
- Alvarez, E. 2023
Effectively Engaging Your DPT Students in the Classroom with Evidence-Based Multimedia.
- Florida Physical Therapy Association, Orlando, FL
- Alvarez, E. 2023
Engaging Multimedia Presentations.
- 2023 FIU Annual Faculty Innovations for Student Success Showcase, Miami, FL
- Alvarez, E. 2022
Strength Training for Dancers
- 2022 FIU Arts@Day, Miami, FL
- Alvarez, E. 2021
Collaboration in a University Sports Medicine Team as a Physical Therapist
- Florida Physical Therapy Association, Orlando, FL
- Alvarez, E. 2021
Dance: Injury Prevention & Performance Enhancement
- 2021 FIU Arts@Day Presenter, Miami, FL
- Alvarez, E. 2019
Clinical Evaluation & Management of Lower Quarter Kinetic Chain Injuries
- FIU Health Sciences Distinguished Speaker Series, Miami, FL
- Alvarez, E. 2016
Adolescent Sports Physical Therapy
- Florida Physical Therapy Association Student Conclave at FIU, Miami, FL
- Alvarez, E. 2012
Mechanisms of Joint-Based Interventions for Pain: Structure & Neurophysiology
- FIU Health Sciences Distinguished Speaker Series, Miami, FL
- Alvarez, E. 2005
Rehabilitation of the Shoulder Complex
- 9th Annual Sports Medicine Symposium, South Miami, FL

Funded/In Review Grant Activity

Medina, A., Filpo, I. & Alvarez, E. 2020
Amount of Funding: \$23,700.00
On-Demand Clinical Case Simulations for the Health Sciences

- FIU Technology Fee Grant

Rossi, M. & Alvarez, E. 2020
Amount Funded: \$7733.00
Establishing a Physical Therapy Test Bank of Questions: Licensure Exam Preparedness

- FIU Technology Fee Grant

Current/Active Research Activity

Vieira, E., Van K., Santos, J., Mendez, J., & Alvarez, E. 2021 – Current
Evaluating Muscle Activation During Yoga Postures.

- Internal Funding

Alvarez, E. 2023 - Current
Cognitive And Non-Cognitive Variables That Predict DPT Students Passing the NPTE On Their First Attempt.

- Internal Funding

Membership in Scientific/Professional Organizations

American Physical Therapy Association 1993 – Current
Member

Florida Physical Therapy Association 1993 - Current
Assembly Representative for the Southeast District

Consultative and Advisory Positions Held

Physical Therapy Rehabilitation Consultant 2016 - Current
FIU Department of Athletics

Community Service

American Academy of Sports Physical Therapy

- Mentor to international and national physical therapy members

2021 - Current

Services to the University/College/School on Committees/Councils/Commissions

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

Honors and Awards

Nicole Wertheim College of Nursing & Health Sciences 2019

- Excellence in Teaching Award

Florida International University 2019

- Presidential Leadership Program Alumnus

Continuing Education Attended

- FPTA Annual Conference 2023
- FPTA Southeast District Orthopedic Symposium, Miami, FL 2023
- Society for NeuroSports Annual Conference, Hollywood, FL 2022
- FPTA Annual 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 Annual Conference, Orlando, FL 2019
- APTA Next National Conference, Orlando, FL 2018
- Concussion Management: Current Concepts, Miami, FL 2017

Current Teaching Responsibilities in the Entry-Level Program for Academic Year of Site Visit

- **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 anatomy and 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 5920 Comprehensive Exam I (1).** This is the first of two comprehensive examinations that cover all previously completed coursework and is required for continued progression in the curriculum.
- **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 covers physical therapy intervention in disease processes, conditions, and systemic disorders throughout the life span.
- **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 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 6961 Comprehensive Exam II (1).** The second comprehensive examination covering all previously completed coursework and is required for continued progression in the curriculum.
- **PHT 6970 DPT Project (3).** An individually supervised project for physical therapy students.