

CURRICULUM VITAE

Name: Anthony (Tony) Manning Boucher

Rank/Profile: Clinical Associate Professor and Coordinator of Clinical Education
Master of Science in Athletic Training – Texas A&M University

Department: Kinesiology & Sport Management – College of Education & Human Development

DEGREES IN HIGHER EDUCATION:

Doctor of Philosophy - Physical Therapy. Texas Woman's University-School of Physical Therapy, 2008.
Dissertation: Effectiveness of Surface Electromyographic Biofeedback-triggered Neuromuscular Electrical Stimulation on Knee Rehabilitation.

Certification/licensure - Athletic Training. Southern Methodist University, 2000.

Master of Physical Therapy - Physical Therapy. University of Texas Medical Branch at Galveston, 1996.

Bachelor of Science - Health Care Sciences. University of Texas Medical Branch at Galveston, 1994.

Bachelor of Science - Zoology, Texas Tech University. Lubbock, TX, 1993.

Minor: Chemistry

Varsity Track and Field: Four-year letterman

PROFESSIONAL LICENSURE/CERTIFICATION:

Licensed Physical Therapist: Texas Board of Physical Therapy Examiners – 1996 to present

Certified Athletic Trainer: Board of Certification for Athletic Trainers – 2000 to present

Licensed Athletic Trainer: Texas Department of Licensing & Registration – 2000 to present

PROFESSIONAL EXPERIENCE:

Academic Employment:

Texas A&M University, 8/2014-present

-Clinical Associate Professor of Health & Kinesiology: Master of Science in Athletic Training

-Coordinator of Clinical Education: Master of Science in Athletic Training Education Program

Texas A&M University, 7/2012-9/2014

-Clinical Assistant Professor of Health & Kinesiology: Master of Science in Athletic Training

-Coordinator of Clinical Education: Master of Science in Athletic Training Education Program

Baylor University, 5/2011-7/2012

-Assistant Professor of Department of Health, Human Performance, and Recreation: Graduate and Undergraduate Athletic Training Education Programs

-Director of Graduate Athletic Training Education Program

-Director of Athletic Training and Human Anatomy Laboratory

Baylor University, 8/2008-5/2011

-Assistant Professor of Department of Health, Human Performance, and Recreation: Graduate and Undergraduate Athletic Training Education Programs
-Clinical Coordinator of Athletic Training Education Program

Non-Academic Employment:

Hillcrest Baptist Sports Medicine Physical Therapy

Physical Therapist – Waco, Texas; 12/2012-1/2013; 3/2012-6/2012; 5/2011-7/2011; 5/2010-7/2010

Select Medical Physical Therapy

Physical Therapist – Waco, Texas; 3/2012-6/2012

Rehab Management Physical Therapy

Center Manager, Physical Therapist - Rockwall & Mesquite, Texas; 1/2008-8/2008

Sports Med City Centre Physical Therapy

Center Manager, Physical Therapist, Athletic Trainer - Dallas, Texas; 2005-2008

Baylor Sportscore

Contract Athletic Trainer- Dallas, Texas; 2000-2004

Rehab Management Physical Therapy

Director of Physical Therapy, Athletic Trainer, Sports medicine outreach coordinator- Rockwall, Texas; 2001-2005

Southern Methodist University, Intercollegiate Athletic Department

Assistant Athletic Trainer, Physical Therapist, Rehabilitation Coordinator - Dallas, Texas; 2000-2001

Positive Pain Management

Director of Physical Therapy - Dallas, Texas; 1999-2000

Rehab Management

Director of Physical Therapy - Rowlett, Texas; 1998-1999

HealthSouth Sports Medicine & Rehabilitation Center

Site Coordinator, Physical Therapist, Clinical Instructor - Kingwood, Texas; 1996-1998

HealthSouth Sports Medicine & Rehabilitation Center,

Site Coordinator, Physical Therapist - Humble, Texas; 1996

United States Representative Bill Sarpilius and United States Representative Larry Combest

LBJ Congressional Intern – Washington DC; 1989

GRADUATE AND UNDERGRADUATE TEACHING

Graduate Courses Taught:

Texas A&M University

Instructor of record for ATTR 662: Clinical Examination and Diagnosis-Lower Extremity
Instructor of record for ATTR 663: Clinical Examination and Diagnosis-Lower Extremity Lab
Instructor of record for ATTR 666: Therapeutic Intervention II - Therapeutic Exercise
Instructor of record for ATTR 666: Physical Rehabilitation
Instructor of record for ATTR 667: Physical Rehabilitation Laboratory
Instructor of record for ATTR 654: Clinical Education IV
Course supervisor for ATTR 655: Clinical Education V
Instructor of record for ATTR 656: Clinical Education VI
Instructor of record for ATTR 671: Healthcare Administration, Management, and Delivery Strategies
Instructor of record for ATTR 677: Research Capstone
Instructor of record for ATTR 685: Directed Studies

Baylor University

Instructor of record for HP 5360: Differential Diagnosis & Therapeutic Interventions of the Lower Extremities and Spine
Instructor of record for HP 5V70: Research Project in Athletic Training
Instructor of record for HP 5V70: Special Problems in Health, Human Performance, and Recreation (Doctoral student independent study) - Applied clinical biomechanics course creation
Independent Study Advisor: HP 5V70 - Internship in Athletic Training
Instructor of record for HP 5V75: Seminar in Athletic Training
Instructor of record for HP 5V99: Thesis
Instructor of record for ENH 6346: Orthopedic Rehabilitation (Doctoral student independent study) – Reliability of M-Mode Ultrasound Measurements of Quadriceps Femoris Contractile Time Research study

Undergraduate Courses Taught:

Texas A&M University

Instructor of record for ATTR 285: Directed Studies – Problems in Athletic Training
Instructor of record for ATTR 485: Directed Studies – Problems in Athletic Training

Baylor University

Instructor of record for HP 1124: Beginning Bowling
Independent Study Supervisor for HP 1310: Sports Emergency Care
Instructor of record for HP 2340: Injury Assessment of the Lower Extremity
Instructor of record for HP 2140: Injury Assessment of the Lower Extremity Laboratory
Instructor of record for HP 3341: Therapeutic Exercise
Instructor of record for HP 3141: Therapeutic Exercise Laboratory
Instructor of record for HP 4V79: Internship in Human Performance (Pre-Med, Pre-Physical Therapy, Pre-Dentistry)

Instructor of record for HED 4V80: Professional Internship in Health (Pre-Med, Pre-Physical Therapy, Pre-Dentistry)

Invited Guest Lecturer

Texas A&M University

Kinesiology 213-Texas A&M Health & Sport Management – 11/9/23

Medical Gross Anatomy, Clinical Correlation-Texas A&M School of Medicine: *Common Orthopedic Injuries of the Lower Extremity* – 10/15/18

Medical Gross Anatomy, Clinical Correlation-Texas A&M School of Medicine: *Common Orthopedic Injuries of the Lower Extremity* – 11/1/17

Medical Gross Anatomy-Texas A&M School of Medicine: *Common Orthopedic Injuries of the Lower Extremity* – 10/25/16

Health Education/Physical Activities & Education Program: Department lecture: *Joints and aging* – 3/1/13

Exercise Physiology Major Club: *Career and professional development* - 10/29/12

Department of Health and Kinesiology; Exercise Physiology seminar series: *Evidence-based practice and current practice in sports medicine* – 10/17/12

Baylor University

HP 3343: Management in Athletic Training: *Insurance and reimbursement*

HP 3342: Therapeutic Modalities: *Therapeutic Ultrasound, Traction*

HP 4310: Clinical Education V: *Joint mobilization and Manual Therapy*

Invited Guest Laboratory Assistant

Baylor University

HP 2140: Orthopedic Assessment of the Lower Extremity Laboratory: *Examiner for practical examinations*

HP 2142: Orthopedic Assessment of the Upper Extremity Laboratory: *Examiner for practical examinations*

HP 3142: Therapeutic Modalities Laboratory: *Tissue temperature change of therapeutic modalities*

HP 3342: Therapeutic Modalities Laboratory: *Examiner for practical examinations*

HP 4367: Advanced Athletic Training: *Examiner for practical examinations*

Teaching and Curriculum Development

Texas A&M University

Texas A&M Disaster Day

Faculty Facilitator: 3/1/24

Faculty Facilitator: 3/3/23

Faculty Facilitator: 2/25/22

Texas A&M Interprofessional Education and Research Symposium -Texas A&M Health Science Center

Faculty Facilitator: 11/13/24

Faculty Facilitator: 11/16/22

Faculty Facilitator: 11/17/21

Texas A&M Center for Teaching Excellence

- Managing Challenging Situations and Teaching Controversial Topics in the Classroom, 1/14/21
- Communicating Effectively in the Classroom and Beyond, 9/11/19
- Teaching With and Managing Interactive Methods, 9/18/19
- Learning Outcomes and Course Design Cycle, spring 2018
- Effective Review of Teaching, 11/11/12

Texas A&M Faculty Mentoring Academy - Texas A&M Center for Teaching Excellence

- Aligning Expectations in Mentoring, 2/22/21
- Promoting Professional Development in Mentoring, 3/31/21

Texas A&M Dean of Faculties

- Student Course Evaluations Better Practice Series: How to navigate issues of bias in student course evaluations, 1/15/21
- Understanding the Promotion Process as an Academic Professional Track (APT) Faculty Member, 3/30/21
- Texas A&M GPS workshop: Academic professional track promotion education, 5/15/19
- Lecture well seminar –Dean of Faculties, 9/27/12

Commission on the Accreditation of Athletic Training Education Programs (CAATE): Program and curriculum development - CAATE initial and re- accreditation for Master of Science in Athletic Training:

New clinical education program affiliations developed - Master of Science in Athletic Training

- Iowa State University (2024)
- Louisiana State University (2024)
- Pennsylvania State University (2024)
- Southern Methodist University (2024)
- University of Incarnate Word (2024)
- University of Georgia (2024)
- University of Virginia (2024)
- Wichita State University (2024)
- Butte-Glenn Community College District (2023)
- Georgetown University (2023)
- Lakeshore Chinooks (2023)
- Michigan State University (2023)
- Oklahoma State University Center for Health Sciences (2023)
- University of Colorado (2023)
- University of Tennessee (2023)
- University of Texas at Austin (2023)
- Banner Health University Sports Medicine and Concussion Center-Arizona (2022)
- Stephen F. Austin State University (2022)
- St. Louis City Soccer Club – Major League Soccer (2022)
- University of Buffalo-SUNY (2022)
- University of Florida (2022)
- University of North Texas (2022)
- University of South Florida (2022)
- Vanderbilt University (2022)
- Arizona Collegiate Wooden Bat League (2021)
- Baylor University (2021)
- Central Michigan University (2021)
- Clemson University (2021)

- Corpus Christi Midway-Tuloso High School (2021)
- Houston Baptist University (2021)
- Mississippi State University (2021)
- Rice University (2021)
- Texas Christian University (2021)
- Texas Collegiate League (Flying Chancas Baseball) (2021)
- University of Alabama (2021)
- University of Washington (2021)
- West Virginia University (2021)
- Navasota High School
- Texas A&M Dance Science Program
- Texas A&M Residency Clinic (CHI/ST. Joseph): General Medical/Primary Care
- Texas A&M Corps of Cadets (CHI/ST. Joseph)/Rehabilitation
- St. Joseph Medical Center: Emergency Services
- College Station high school: Secondary school setting
- Central Texas Sports Medicine and Orthopedics: General medical
- Texas A&M athletic rehabilitation services: Rehabilitation

ATu - Unlocking Upper Extremity Rehabilitation: The Impact of Case Studies and Simulations on Critical Thinking Webinar - 4/26/24

Stop the Bleed-Instructor, 4/26/24, 9/27/24

Microsoft Teams 101 – College of Education & Human Development, 4/30/24

Flipping your course – Information Technology Services, 4/8-4/12/13

Effective Review of Teaching - Center for teaching excellence, 11/11/12

Faculty Advisor: Master of Science in Athletic Training

Mock interviews – Master of Science in Athletic Training

Baylor University

Summer Faculty Institute 2012

Graduate Athletic Training Assistantships (external grant) - Axtell ISD, Crawford ISD, Bruceville-Eddy ISD, West ISD (Funded 8/1/2011-5/31/12). Principal Investigator. **Funded: \$50,600**

Summer teaching/research sabbatical leave awarded with Southwest Sports Medicine and Orthopedics/Baylor University physician group (Summer 2011) -Proposed research project: The effectiveness of platelet rich plasma injection on tendon thickness, angiogenesis, functional outcomes, and pain in tendinopathy: Finalize the pilot design, research design and procedures, begin subject recruitment, and initiate preliminary data collection.

New clinical education program affiliations developed: Master of Education with emphasis in Athletic Training

- Hillcrest Baptist Medical Center: Rehabilitation

- Baylor University Health services/Physical Therapy: Rehabilitation

- Axtell high school: Secondary school setting

Faculty Advisor: Master of Education with emphasis in Athletic Training

Approved Clinical Instructor/Clinical Instructor Workshop, Aug 2011

Office of the Vice Provost for Research Proposal Development Workshop, January 2011

Commission on the Accreditation of Athletic Training Education Programs (CAATE): Accreditation Committee for program and curriculum development; CAATE re-accreditation awarded 8/2010, Self-study for CAATE accreditation 2009

Approved Clinical Instructor/Clinical Instructor Workshop, Aug 2010

The seven habits of highly effective people, Fall 2009

Refworks training, September 2009
Approved Clinical Instructor/Clinical Instructor Workshop, Aug 2009
Clinical Instructors Educator seminar CEU course, National Athletic Trainer Association annual conference, June 2009
Blackboard training, March 2009

Professional Development and Continuing Education: Teaching professional development and continuing education requirements to maintain professional licensures & certification

Department of Kinesiology & Sport Management Graduate Research Fair- Case study dissemination & presentations (eight clinical case studies), 11/7/24
Arthroscopy for Labral Tears and FAI The Latest in Post-Surgical Rehabilitation- National Athletic Trainer's Association, 10/30/24
Cumulative Brain Trauma as a Result of Concussive and Sub Concussive Impact- National Athletic Trainer's Association, 10/29/24
Diagnostic Testing Series Evidence Based Assessment of the Lumbar- National Athletic Trainer's Association, 10/29/24
Hip Injuries Parallels in Manual Therapy for Dancers and Athletes- National Athletic Trainer's Association, 10/29/24
Immediate Management of Joint Dislocations- National Athletic Trainer's Association, 10/29/24
Moving Beyond Cost-Full Value of AT's to Stakeholders- National Athletic Trainer's Association, 10/29/24
Risk Management & Emergency & Crisis Preparedness in Sports Medicine- National Athletic Trainer's Association, 10/22/24
LEAD them to water but don't force them to drink: Recommendations to prevent hyponatremia- National Athletic Trainer's Association, 10/20/24
HEART-Texas Human Trafficking Resource Center HEART Training, 10/27/24
23rd Annual Sports Medicine Update-Herman Memorial Sports Medicine (virtual), 6/4/24
Stop the Bleed-Training, 4/18/24
HEART-Texas Human Trafficking Resource Center HEART Training, 10/31/22
National Athletic Trainer's Association annual conference (virtual), June 2022
49th Annual Symposium on Sports Medicine-University of Texas Health Science Center at San Antonio (virtual), 2/5/22
National Athletic Trainer's Association annual conference (virtual), June 2021
Blood Flow Restriction Training: Understanding the Safety, Mechanisms, and Efficacy, 2/25/21
48th Annual Symposium on Sports Medicine-University of Texas Health Science Center at San Antonio (virtual), 1/21/21
Master Preceptor Level I - National Athletic Trainer's Association, Nov 2020
Human Trafficking - SOAR to Health and Wellness, Oct 2020
National Athletic Trainer's Association annual conference (virtual), June 2020
National Athletic Trainer's Association annual conference, June 2019
Athletic Trainer's Educators Conference, February 2019
National Athletic Trainer's Association annual conference, June 2018
National Athletic Trainer's Association annual conference, June 2017
Athletic Trainer's Educators Conference, February 2017
National Athletic Trainer's Association annual conference, June 2016
Commission on the Accreditation of Athletic Training Education-Site visit training, June 2016
Orthopedic Physical Assessment CEU course, June 2016

Ethics - Texas Physical Therapy CEU course, June 2016
 National Athletic Trainer's Association annual conference, June 2015
 Athletic Trainer's Educators Conference, January 2015
 National Athletic Trainer's Association annual conference, June 2014
 National Athletic Trainer's Association annual conference, June 2013
 Graston® Technique instrument assisted technique seminar, June 2011
 National Athletic Trainer's Association annual conference, June 2011
 Management of upper & lower extremity overuse injuries CEU course, October 2010
 Texas Physical Therapy Association annual conference, October 2010
 Ethics - Texas Physical Therapy CEU course, July 2010
 National Athletic Trainer's Association annual conference, June 2009
 Clinical Instructors Educator seminar CEU course, NATA annual conference, June 2009
 Introduction to diagnostic musculoskeletal ultrasound CEU course, June 2009
 American Physical Therapy Association – Combined section Meeting, February 2009
 Differential diagnosis and treatment of mechanical hip pain CEU course, October 2008
 Texas Physical Therapy Association annual conference, October 2008
 Approved Clinical Instructor/Clinical Instructor Workshop, August 2008
 Ethical decision-making in physical therapy CEU course, May 2008
 Research day-Texas Woman's University, April 2008
 Ethical decision-making in physical therapy CEU course, July 2006
 Texas Physical Therapy Association annual conference, October 2005
 Current concepts in arthroplasty CEU course, May 2005
 Research day-Texas Woman's University: April 2005
 American Physical Therapy Association – Combined section Meeting, February 2005
 Lower quadrant mobilization CEU course, June 2004
 Medical Ethics, HIPPA, and privacy CEU course, December 2003
 Impairment ratings CEU course, October 2003
 Functional capacity Evaluations CEU course, June 2002
 Sports medicine Symposium CEU course, January 2002
 Aquatic rehabilitation CEU course, April 2001
 A comprehensive exploration of and therapy CEU course, February 2000
 National Athletic Trainer's Association annual conference, June 2000
 Soft tissue mobilization/myofascial release CEU course, May 1999
 ACL reconstruction symposium CEU course, April 1999
 HealthSouth CEU courses: WorkStart/Hardening, October 1996; HealthSouth Spine I,
 October 1996; HealthSouth Spine II, December 1996; HealthSouth Spine III, January 1997;
 HealthSouth Golf I, May 1997; HealthSouth Knee I, October 1997; HealthSouth Knee II,
 February 1998; HealthSouth Knee III, April 1998
 Advanced ergonomic specialist/test administration training CEU course, November 1996
 Ethical decision-making in physical therapy CEU course, August 2004
 Knee & shoulder update CEU course, September 1996

Graduate Dissertations, Theses, and Research Projects

Texas A&M University

Alvarez, Adrian. Integrating Countermovement Jump, Isometric Belt Squat, and Wearable Metrics to Predict ACL Injury Risk in Division 1 Soccer Athletes. (2024-present). Chair-Master of Science Non-thesis Research Committee.

Chapman, Regan. Integrating Countermovement Jump, Isometric Belt Squat, and Wearable Metrics to Predict ACL Injury Risk in Division 1 Soccer Athletes. (2024-present). Chair-Master of Science Non-thesis Research Committee.

Chiarelli, Ava. Can abnormalities of Football Athletes ForcePlate countermovement jump metrics help predict injuries of the lower extremity in Texas A&M football athletes. (2024-present). Chair-Master of Science Non-thesis Research Committee.

Huggins, Elise. Can abnormalities of Football Athletes ForcePlate countermovement jump metrics help predict injuries of the lower extremity in Texas A&M football athletes. (2024-present). Chair-Master of Science Non-thesis Research Committee.

Caruso, Rebecca. The effectiveness of foam rolling and mobile cupping on range of motion and functional overhead squat (2024). Chair-Master of Science Non-thesis Research Committee.

McWilliams, Elizabeth. Examining Stress, Burnout, and Contributing Factors between 1st and 2nd year Master's of Athletic Training Students (2024). Chair-Master of Science Non-thesis Research Committee.

Nall, Austin. The effectiveness of foam rolling and mobile cupping on range of motion and functional overhead squat (2024). Chair-Master of Science Non-thesis Research Committee.

Shaw, Elle. Examining Stress, Burnout, and Contributing Factors between 1st and 2nd year Master's of Athletic Training Students (2024). Chair-Master of Science Non-thesis Research Committee.

Broadus, Jack. Texas High School Coaches' Perceptions of Athletic Trainers, the Care They Provide, and How Gender Affects Those Perceptions (2023). Chair-Master of Science Non-thesis Research Committee.

Hietz, Ashton. Comparing traditional cotton-based athletic tape to self-adherent athletic tape for effectiveness on range of motion restrictions, stability, and perceived effectiveness about the ankle joint (2023). Chair-Master of Science Non-thesis Research Committee.

McCormick, Kayleigh. Texas High School Coaches' Perceptions of Athletic Trainers, the Care They Provide, and How Gender Affects Those Perceptions (2023). Chair-Master of Science Non-thesis Research Committee.

Nichols, Sarah. Comparing traditional cotton-based athletic tape to self-adherent athletic tape for effectiveness on range of motion restrictions, stability, and perceived effectiveness about the ankle joint (2023). Chair-Master of Science Non-thesis Research Committee.

Bynum, Stephanie. The Effectiveness of soft-tissue deep oscillation therapy treatment on delayed onset muscle soreness of the gastrocnemius soleus complex (2022). Chair-Master of Science Non-thesis Research Committee.

Horn, Abby. Comparison of Clinical and Self-Applied Percussion Massage Therapy on Short-Term Hamstring Flexibility and Subjective Perception of Function (2022). Chair-Master of Science Non-thesis Research Committee.

LeMeilleur, Kendall. The relationship between leg asymmetries and the occurrence of ACL and hamstring injuries in Division I collegiate women basketball players (2022). Chair-Master of Science Non-thesis Research Committee.

Reed, Emily. Comparison of Clinical and Self-Applied Percussion Massage Therapy on Short-Term Hamstring Flexibility and Subjective Perception of Function (2022). Chair-Master of Science Non-thesis Research Committee.

Seo, Chris. The relationship between leg asymmetries and the occurrence of ACL and hamstring injuries in Division I collegiate women basketball players (2022). Chair-Master of Science Non-thesis Research Committee.

Slann, Jacob. The Effectiveness of soft-tissue deep oscillation therapy treatment on delayed onset muscle soreness of the gastrocnemius soleus complex (2022). Chair-Master of Science Non-thesis Research Committee.

Bae, Dam. Deep Neck Flexor Endurance in Female Division 1 Collegiate Soccer Players: A Preliminary Study (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Barrera, Katelyn. Isokinetic Strength of the Shoulder in Collegiate Archers Comparing Bow Arm and Draw Arm (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Beasley, James. Assessing Eccentric Hamstring Strength in Correlation to Hamstring Injury Rates in Division I Football Athletes (2021). Chair-Master of Science Non-thesis Research Committee.

Blazek, Alexandra. Isokinetic Strength of the Shoulder in Collegiate Archers Comparing Bow Arm and Draw Arm (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Bradley, Erin. Examining the Correlation between Therapeutic Treatment Frequency and SFMA Performance in Division I Collegiate Equestrian Athletes (2021). Chair-Master of Science Non-thesis Research Committee.

Brown, Colby. Motion Capture and Vernier Caliper Scapular Dyskinesis Measurement Techniques on Division I Baseball Athletes over the Course of a Season (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Glass, Devan. Deep Neck Flexor Endurance in Female Division 1 Collegiate Soccer Players: A Preliminary Study (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Guzman, Rebecca. Correlation of Baseline Reaction Time to Lower Extremity Injury Occurrence in Texas A&M University's Corps of Cadets (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Jaye, Elliott. Correlation of Baseline Reaction Time to Lower Extremity Injury Occurrence in Texas A&M University's Corps of Cadets (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Kraus-Saravia, Ali. The Effects of Static Cupping and Active Cupping on Dorsiflexion Deficits in the Gastrocnemius-Soleus Complex (2021). Chair-Master of Science Non-thesis Research Committee.

Langerud, Gabrielle. Assessing Eccentric Hamstring Strength in Correlation to Hamstring Injury Rates in Division I Football Athletes (2021). Chair-Master of Science Non-thesis Research Committee.

Rimmer, Micah. Motion Capture and Vernier Caliper Scapular Dyskinesia Measurement Techniques on Division I Baseball Athletes over the Course of a Season (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Takada, Kohei. The Effects of Static Cupping and Active Cupping on Dorsiflexion Deficits in the Gastrocnemius-Soleus Complex (2021). Chair-Master of Science Non-thesis Research Committee.

Themel, Emma. Examining the Correlation between Therapeutic Treatment Frequency and SFMA Performance in Division I Collegiate Equestrian Athletes (2021). Chair-Master of Science Non-thesis Research Committee.

Tolley, Sarah. Correlation of Baseline Reaction Time to Lower Extremity Injury Occurrence in Texas A&M University's Corps of Cadets (2021). Co-Chair-Master of Science Non-thesis Research Committee.

Berman, Taylor. Concussion Incidence using Sensory Data in Division I Collegiate Football Helmets (2020). Chair-Master of Science Non-thesis Research Committee.

Felix, Larry. The Correlation Between Hand Grip Strength, Hand Size, Pitch Type, and Pitch Spin Rate to Establish a Predictive Measure for Muscle Fatigue in Division 1 Collegiate Baseball Pitchers (2020). Chair-Master of Science Non-thesis Research Committee.

Hoelscher, Karl. The Correlation Between Hand Grip Strength, Hand Size, Pitch Type, and Pitch Spin Rate to Establish a Predictive Measure for Muscle Fatigue in Division 1 Collegiate Baseball Pitchers (2020). Chair-Master of Science Non-thesis Research Committee.

Hunt, Victoria. The Correlation Between Hand Grip Strength, Hand Size, Pitch Type, and Pitch Spin Rate to Establish a Predictive Measure for Muscle Fatigue in Division 1 Collegiate Baseball Pitchers (2020). Chair-Master of Science Non-thesis Research Committee.

Gurrola, Manuel. Concussion Incidence using Sensory Data in Division I Collegiate Football Helmets (2020). Chair-Master of Science Non-thesis Research Committee.

Kinder, Sydney. Effect of dynamic stretching and a muscle energy technique on hip abduction range of motion in active participants (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Olson, Kayleigh. Athlete-Coach RPE discrepancies and athletic injuries in collegiate women's volleyball (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Presburger, Yosef. Athlete-Coach RPE discrepancies and athletic injuries in collegiate women's volleyball (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Stoltz, Hannah. Effect of dynamic stretching and a muscle energy technique on hip abduction range of motion in active participants (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Adams, Alexandra. The Acute Effects of Instrument-Assisted vibration and static stretching on Flexibility and Range of Motion of the Hamstring Muscles (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Aguirre, Michelle. Effects of ischemic compression compared to dry cupping on myofascial trigger points in the triceps surae (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Bell, Janae. Survey of Standards and Procedures in Concussion Assessment (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Ellis, Gwyndolyn. Interprofessional education between athletic training and nurse practitioner students: A pilot study (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Gehring, Cheyenne. Survey of Standards and Procedures in Concussion Assessment (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Haren, Lydia. The Validity of Instrumented Nordic Lower Device for Assessment of Eccentric Hamstring Strength (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Higgins, Kourtney. A comparison of seated and standing balance scores in Division I equestrian athletes (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Holtkamp, Brianna. The Effects of Playing Surface on Elite Volleyball Players Vertical Jump Height, Number, and Associated Injuries (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Jake Jelmini. Acute and longitudinal effects of pitching on passive range of motion in Division I athletes (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Kimbrough, Jasmine. The Validity of Instrumented Nordic Lower Device for Assessment of Eccentric Hamstring Strength (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Masrin, Jessica. The Effects of Playing Surface on Elite Volleyball Players Vertical Jump Height, Number, and Associated Injuries (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Mozze, Keyerra. The Acute Effects of Instrument-Assisted vibration and static stretching on Flexibility and Range of Motion of the Hamstring Muscles (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Navarro, Cristina. Effects of ischemic compression compared to dry cupping on myofascial trigger points in the triceps surae (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Price, Michael. Acute and longitudinal effects of pitching on passive range of motion in Division I athletes (2019). Co-Chair-Master of Science Non-thesis Research Committee.

White, Megan. A comparison of seated and standing balance scores in Division I equestrian athletes (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Wooten, Taylor. Interprofessional education between athletic training and nurse practitioner students: A pilot study (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Alexander, Tori. Y-Balance Test Measures and Predictors of Lower Extremity Injuries in D-1 Collegiate Football Players (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Barrad, Sonia. Validation of FITLIGHT Trainer for use in concussion evaluation (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Carter, Kaitlyn. Perceived Value of Athletic Training by Collegiate Athletes (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Clerkley, Kevin. Perceived Value of Athletic Training by Collegiate Athletes (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Dickinson, Alexandra. Interrater and intrarater reliability of the Punch test and the relationship between the measurement of scapular protraction and shoulder AROM measurements in overhead athletes (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Klemko, Cross. Validation of FITLIGHT Trainer for use in concussion evaluation (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Muhammad, Anisa. Efficacy of antiperspirant spray and pre-wrap on taped ankle range of motion before and after exercise. (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Overmyer, Christopher. Efficacy of antiperspirant spray and pre-wrap on taped ankle range of motion before and after exercise. (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Simpson, Ethan. An analysis of the relationship between g-force of impact, rate of head rotation, and the location of impact on the outcome of concussive injury in division I collegiate football players (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Spradlin, Tonya. Interrater and intrarater reliability of the Punch test and the relationship between the measurement of scapular protraction and shoulder AROM measurements in overhead athletes (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Stembridge, Cole. Effects of different time parameters on the efficacy of cupping therapy for myofascial pain (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Sussman, Rachel. Y-Balance Test Measures and Predictors of Lower Extremity Injuries in D-1 Collegiate Football Players (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Trevino, Kelly. Effects of different time parameters on the efficacy of cupping therapy for myofascial pain (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Whitt, Stephen. An analysis of the relationship between g-force of impact, rate of head rotation, and the location of impact on the outcome of concussive injury in division I collegiate football players (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Willhelm-Glab, Kendall. Efficacy of antiperspirant spray and pre-wrap on taped ankle range of motion before and after exercise. (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Cooper, Theavis. Urine dehydration markers in college athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Dekanick, Amanda. Depression survey changes in college athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Gandy, Greg. Urine dehydration markers in college athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Guerra, Alyssa. The effects of whole body vibration (WBV) on flexibility, power and balance in collegiate athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Hearne, Rachael. Calculating Risk of Depression Based on Demographics, Medical History, and Sport Specific Factors in Division I Athletes. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Karp, Aaron. Calculating Risk of Depression Based on Demographics, Medical History, and Sport Specific Factors in Division I Athletes. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Lindquist, Kelsey. Effects of ice massage versus CryoRoller on skin surface temperature and myofascial trigger points in the gastrocnemius muscle. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

McConnell, Leanne. Acute effects of instrument assisted soft tissue mobilization, foam rolling, and static stretching on hamstring and quadriceps flexibility (2017). Co-Chair-Master of Science Non-thesis Research Committee.

McFarland, Ashliegh. Effects of the Deep Muscle Stimulator on myofascial trigger points in the upper back and neck regions. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Mullinix, Justin. Acute effects of instrument assisted soft tissue mobilization, foam rolling, and static stretching on hamstring and quadriceps flexibility (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Patke, Michael. The effects of whole body vibration (WBV) on flexibility, power and balance in collegiate athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Thomas, Sydney. Effects of ice massage versus CryoRoller on skin surface temperature and myofascial trigger points in the gastrocnemius muscle. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Trompeter, Joscelyn. The effects of whole body vibration (WBV) on flexibility, power and balance in collegiate athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Wilcox, Laura. Effects of the Deep Muscle Stimulator on myofascial trigger points in the upper back and neck regions. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Zapinski, Catherine. Depression survey changes in college athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Bouwmeester, Rachael. Comparison of Vibrational vs. Non-vibrational Foam Roller on Hamstring and Quadriceps Flexibility, Proprioception, and Strength (2016). Co-Chair-Master of Science Non-thesis Research Committee

Cleary, Allison. Investigation of Unilateral Balance Differences in Female Collegiate Soccer Players (2016). Co-Chair-Master of Science Non-thesis Research Committee

Danley, Lyle. Correlating Results of a Functional Pitcher Assessment with Incidence of Injury in High School Pitchers over a Regular Baseball Season (2016). Co-Chair-Master of Science Non-thesis Research Committee

Elish, Katie. The Reliability of C3 Logix and ImPACT Concussion Management Systems in Concussion Assessments of Division I Football, Soccer, and Equestrian Athletes (2016). Co-Chair-Master of Science Non-thesis Research Committee

Ganz, Molly. Comparison of Vibrational vs. Non-vibrational Foam Roller on Hamstring and Quadriceps Flexibility, Proprioception, and Strength (2016). Co-Chair-Master of Science Non-thesis Research Committee

Hausman, Melissa (2016). Member of Science Health Education; Non-thesis Research Committee

King, Ross. A Comparison of Clinical Reaction Times with C3Logix and Standardized Measuring Stick Drop Testing: A Predisposing Factor for Concussion Management (2016). Co-Chair-Master of Science Non-thesis Research Committee

Lynch, Sara. The Effectiveness of Flexibility, Static, and Dynamic Mobilization to the Talocrural Joint on Joint Range of Motion and Balance (2016). Co-Chair-Master of Science Non-thesis Research Committee

Peterman, Cody. Correlating Results of a Functional Pitcher Assessment with Incidence of Injury in High School Pitchers over a Regular Baseball Season (2016). Co-Chair-Master of Science Non-thesis Research Committee

Piloto, Marissa. A Comparison of Clinical Reaction Times with C3Logix and Standardized Measuring Stick Drop Testing: A Predisposing Factor for Concussion Management (2016). Co-Chair-Master of Science Non-thesis Research Committee

Randall, Jeremy. Effects of Gender and Segment Predominance on Documented Injuries in Division I Collegiate Level Swimmers and Divers, Soccer Players, Tennis Players Using Functional Movement Screening (2016). Co-Chair-Master of Science Non-thesis Research Committee

Santillan, Bronson. Investigation of Unilateral Balance Differences in Female Collegiate Soccer Players (2016). Co-Chair-Master of Science Non-thesis Research Committee

Thames, Angelina. The Reliability of C3 Logix and ImPACT Concussion Management Systems in Concussion Assessments of Division I Football, Soccer, and Equestrian Athletes (2016). Co-Chair-Master of Science Non-thesis Research Committee

Williams, Tianna. Effects of Gender and Segment Predominance on Documented Injuries in Division I Collegiate Level Swimmers and Divers, Soccer Players, Tennis Players Using Functional Movement Screening (2016). Co-Chair-Master of Science Non-thesis Research Committee

Wilson, Paige. The Effectiveness of Flexibility, Static, and Dynamic Mobilization to the Talocrural Joint on Joint Range of Motion and Balance (2016). Co-Chair-Master of Science Non-thesis Research Committee

Attridge, Ryan. The effectiveness of the King-Devick concussion assessment (2015). Co-Chair-Master of Science Non-thesis Research Committee

Davis, Nellasha. The effectiveness of the King-Devick concussion assessment (2015). Co-Chair-Master of Science Non-thesis Research Committee

Evans, Kathryn. The Acute Effects of Lumbar Traction on Pain, Range of Motion, and Functional Status in Individuals with Non-specific Chronic Low Back Pain (2015). Co-Chair-Master of Science Non-thesis Research Committee

LeBlanc, Nia. The Effects of an Entry Level Ballet Class on First Year Dance Majors on Improving Measurements of Balance Using Limits of Stability, Single Leg Stability, and Postural Stability Testing Utilizing the Biodex Balance System SD (2015). Co-Chair-Master of Science Non-thesis Research Committee

McDaniel, Rebekah. The Acute Effects of Lumbar Traction on Pain, Range of Motion, and Functional Status in Individuals with Non-specific Chronic Low Back Pain (2015). Co-Chair-Master of Science Non-thesis Research Committee

Placke, Anna. The Effects of an Entry Level Ballet Class on First Year Dance Majors on Improving Measurements of Balance Using Limits of Stability, Single Leg Stability, and Postural Stability Testing Utilizing the Biodex Balance System SD (2015). Co-Chair-Master of Science Non-thesis Research Committee

Stoos, Kelly. Marinobufagenin's potential as a concussion biomarker: A pilot study (2015). Co-Chair-Master of Science Non-thesis Research Committee

Utley, Hilary. "The Efficacy of a Modified Low-Dye Taping Technique on Subtalar Joint Neutral Position Before and After a Period of Moderate Exercise" (2015). Co-Chair-Master of Science Non-thesis Research Committee

Young, Andrew. "The Efficacy of a Modified Low-Dye Taping Technique on Subtalar Joint Neutral Position Before and After a Period of Moderate Exercise" (12/2014). Co-Chair-Master of Science Non-thesis Research Committee

Baker, Samantha. Three Common Iliotibial Band Stretches and Their Acute Effects of Iliotibial Band Flexibility, Hip Range of Motion and Hip Isokinetic Torque (2014). Chair-Master of Science Non-thesis Research Committee

Becker, Alexandra. Efficacy of Ultrasound/Electrical Stimulation Combination Therapy in Treating Myofascial Trigger Points of the Trapezius : A Comparison of Thermal & Non-thermal Combination therapy (2014). Chair-Master of Science Non-thesis Research Committee

Berrones, David. Effects of Manual Muscle Therapy on Trigger Points: Cervical Range of Motion, Pain, Pressure Sensitivity, and neck function (2014). Chair-Master of Science Non-thesis Research Committee

Bledsoe, Blake. Efficacy of Ultrasound/Electrical Stimulation Combination Therapy in Treating Myofascial Trigger Points of the Trapezius : A Comparison of Thermal & Non-thermal Combination therapy (2014). Chair-Master of Science Non-thesis Research Committee

Bohannon, Lakiesha. Effects of Manual Muscle Therapy on Trigger Points: Cervical Range of Motion, Pain, Pressure Sensitivity, and neck function (2014). Chair-Master of Science Non-thesis Research Committee

Bullard,Keilea. Three Common Iliotibial Band Stretches and Their Acute Effects of Iliotibial Band Flexibility, Hip Range of Motion and Hip Isokinetic Torque (2014). Chair-Master of Science Non-thesis Research Committee

Felts, Catherine. The Efficacy of Cryokinetics on the Reduction of Symptoms Associated with Delayed Onset Muscle Soreness (2014). Chair-Master of Science Non-thesis Research Committee

Germany, Stacy. The Efficacy of Cryokinetics on the Reduction of Symptoms Associated with Delayed Onset Muscle Soreness (2014). Chair-Master of Science Non-thesis Research Committee

Gorman, Emma. The Effects of a Passive Shoulder Internal Rotation Stretch Program Using Different Thermotherapies on Range of Motion in Overhead Athletes with GIRD (2014). Chair-Master of Science Non-thesis Research Committee

Smith, Brian. The Effects of a Passive Shoulder Internal Rotation Stretch Program Using Different Thermotherapies on Range of Motion in Overhead Athletes with GIRD (2014). Chair-Master of Science Non-thesis Research Committee

Adeoti, Elizabeth. Effectiveness of the StretchRite Compared to Dynamic Leg Swings on Hamstring Flexibility in Healthy Recreationally Active Individuals (2013). Chair-Master of Science Non-thesis Research Committee

Hinojosa, Greg. Comparison of the Game Ready and the Blue Crystal Portable Cold Compressive Device in Treating Delayed Onset Muscle Soreness (2013). Chair-Master of Science Non-thesis Research Committee

Mauritz, Maddie. Nutrition Knowledge and Dietary Intake of Female Dance Majors (2013). Chair-Master of Science Non-thesis Research Committee

Mauritz, Mollie. The Effect of Sports Massage on Delayed Onset Muscle Soreness in Healthy, Recreationally Active Individuals (2013). Chair-Master of Science Non-thesis Research Committee

Newman, Justin. Cognitive Changes in Division I Football Players Over the Course of a Season Using EEG and ImPACT Measures (2013). Chair-Master of Science Non-thesis Research Committee

Thomas, Laura. A Comparison of PNF and Active Release Techniques® on Hamstring Flexibility in Young, Recreationally Active Individuals (2013). Chair-Master of Science Non-thesis Research Committee

Wiatrek, Tyler. Effects of Light Exercise on Measures of Delayed Onset Muscle Soreness of the Elbow Flexors in Recreationally Active Participants (2013). Chair-Master of Science Non-thesis Research Committee

Wiebe, Brooke. Effects of Biowave Pro Deepwave® on Delayed Onset Muscle Soreness of the Elbow Flexors (2013). Chair-Master of Science Non-thesis Research Committee

Baylor University

Major Angela Diebal, PT, DPT, SCS, ATC, CSCS. Forefoot Running Improves Pain and Disability Associated with Chronic Exertional Compartment Syndrome. U.S. Army-Baylor University Post Professional Doctoral (DScPT)/Residency in Sports Medicine Physical Therapy (2011). Baylor Faculty Committee Member

Major Joseph Miller, PT, DPT, OCS, SCS, CSCS. Immediate Effects of Lumbo-pelvic Manipulation verses Lateral Gluteal Kinesiotaping verses Sham Taping on Active Individuals with Unilateral Patallofemoral Pain Syndrome. U.S. Army-Baylor University Post Professional Doctoral (DScPT)/Residency in Sports Medicine Physical Therapy (2011). Baylor Faculty Committee Member

CPT Benjamin Blank. Evaluation of Extensor Mechanism for Potential ACL Graft Choice Selection on MRI. U.S. Army-Baylor University Doctor of Science in Physician Assistant Studies (2010). Baylor Faculty Committee Member

CPT Susan G. Fisher. Bone Bruises Associated with Anterior Cruciate Ligament Rupture in an Active-Duty Population. U.S. Army-Baylor University Doctor of Science in Physician Assistant Studies (2010). Baylor Faculty Committee Member

Megan Smart. Acute Effects of Dynamic and Static Stretch on the Peak Torque and ROM of Shoulder Internal and External Rotation (2010). Thesis Committee Member

Shellie Spiers. Comparisons of the Effects of Aquatic and Land-Based Balance Training Programs on the Proprioception of College-Aged Recreational Athletes (2010). Thesis Committee Member

Amy West. Effects of G-trainer, Computrainer, and Stretching on Physiological and Performance markers of recovery from endurance exercise (2010). External Thesis Committee Member

Carrie Nix. Comparison of post exercise recovery strategies on physiological and biochemical markers of exercise-induced muscle damage (2010). External Thesis Committee Member

Brian Iveson. Interrater Reliability of the Side-lying Thoraco-lumbar Rotation Measurement (STRM). U.S. Army-Baylor University Doctor of Science in Physical Therapy (2009). Baylor Faculty Committee Member

John Walker. The Efficacy of Combined Cryotherapy and Compression compared to Cryotherapy alone Following Anterior Cruciate Ligament Repair. U.S. Army-Baylor University Doctor of Science in Physician Assistant (2009). Baylor Faculty Committee Member

Michael Shortt. The Efficacy of Combined Cryotherapy and Compression compared to Cryotherapy alone following Hip Arthroscopy. U.S. Army-Baylor University Doctor of Science in Physician Assistant (2009). Baylor Faculty Committee Member

Richard Clark. Associations between Three Clinical Assessment Tools for Postural Stability. U.S. Army-Baylor University Doctor of Science in Physical Therapy (2009). Baylor Faculty Committee Member

Ashley Eisele. An Overview of Research in Manual Therapy (Completed May 2013) Health Science Studies/Pre Physical Therapy. Undergraduate Honors Thesis.

Alex Ager. The effect of Kinesiotape on Brachial Blood Flow (2012). Faculty Advisor

Emily Arnold. Validity of M-mode Ultrasound Measurements of Quadriceps Femoris Contractile Time (2012). Faculty Advisor- Master of Education Non-thesis Research Project

Jordan Leep. The Effectiveness of the HIVAMAT System in the Treatment of Delayed Onset Muscle Soreness of the Quadriceps Femoris (2012). Faculty Advisor- Master of Education Non-thesis Research Project

Jeannette Thomas. The Effectiveness of the Nintendo Wii Fit Balance training program on Balance (2012). Faculty Advisor- Master of Education Non-thesis Research Project

Peter Brock. Effects of Therapeutic Ultrasound on the Localized Blood Flow of the Posterior Tibial Artery Assessed with Doppler Ultrasound (2011). Faculty Advisor- Master of Education Non-thesis Research Project

Jeremy Teblum. The Effect of Different Compositions of Ice Bags on Circulation in the Femoral Artery in Healthy Males (2011). Faculty Advisor- Master of Education Non-thesis Research Project

Alex Britenwischer. The Effects of Kinesiotape on Balance and Pain Perception in Female Runners with Medial Tibial Stress Syndrome (2011). Research Project Committee Member

Casey Lougheed. Effects of Low-Dye Taping on Measures of Static and Dynamic Balance in Healthy Subjects (2011). Research Project Committee Member

Jessica Layden. The Effects of Stretching on Standing Balance (2011). Research Project Committee Member

Anne Sheaffer. The effect of cognitive fatigue on balance (2011). Research Project Committee Member

RESEARCH AND SCHOLARSHIP

Publications

Refereed Journal Publications

Boucher T, Galluci, A. (2023). The Effect of Instrument-Assisted Manual Therapy Technique on Brachial Hemodynamics and Pain. *Scientific Orthopaedics*, 6(1): 45-51.

Boucher T. (2022). Effectiveness of Surface Electromyographic Biofeedback-triggered Neuromuscular Electrical Stimulation on Quadriceps Femoris Torque and Recruitment. *Journal of Rehabilitation Practices and Research*, 3(2): 138-146.

Boucher T. (2021). Ultrasonographic Median Nerve Circumference, Thenar Muscle Thickness, and Grip Strength Change and Correlation After Carpal Tunnel Release: Single Case Design. *Scientific Orthopaedics*, 4(12): 04-08.

Armstrong, C, Bergeron, C, **Boucher, T.** (2018). Effectiveness of Pilates vs. Dance-based Pyometric Training on Dancers Vertical and Horizontal Jump. *National Dance Society Journal*, 3(1): 37-44.

Bergeron, C, Armstrong, C, **Boucher, T.**, Byrne, K and Greenwood, M. (2016) Effectiveness of Rotator Discs on Functional Turnout of Collegiate Ballet Dancers. *National Dance Society Journal*, 1(1): 18-24.

Willoughby DS, **Boucher T.**, Reid J, Skelton G, Clark M. (2011) Effects of 7 Days of Arginine-Alpha-Ketoglutarate Supplementation on Blood Flow, Plasma L-Arginine, Nitric Oxide Metabolites, and Asymmetric Dimethyl Arginine after Resistance Exercise. *International Journal of Sport Nutrition and Exercise Metabolism*, 21, 4: 291-299.

Boucher T., Wang S, Olson S, Trudelle-Jackson E. (2009). Effectiveness of Surface Electromyographic Biofeedback-triggered Neuromuscular Electrical Stimulation on Knee Rehabilitation. *International Journal of Sports Physical Therapy*, 4(3): 100-109.

Book Chapter

Grandjean P, **Boucher T.** (2013) Stretching for Health, Fitness, Injury Prevention and Sports Performance. In: Jiménez, JM, ed. *The Effects of Exercise and Physical Training on the Development, Performance and Human Health*. San José, Costa Rica: Editorial University of Costa Rica. ISBN: 978-9968-46-371-3.

Refereed Abstracts

Boucher T., Greenwood L, Alexander V, Sussman R. (2020, June) *Y-Balance TestTM as a Predictor of Lower Extremity Injuries in Division I Collegiate Football Players*. *Journal of Athletic Training*. 55(6): S-127.

Boucher T., Greenwood L, McConnell L, Mullinnix, J. (2019, June) *Acute Effects of Instrument Assisted Soft Tissue Mobilization, Foam Rolling, and Static Stretching on Hamstrings and Quadriceps Flexibility*. *Journal of Athletic Training*. 54(6): S-57.

Boucher T., Greenwood L, King, R, & Piloto, M. (2017, June) *C3Logix and Standardized Measuring Stick Drop Test Correlation of Clinical Reaction Time and Predictors of Concussion*. *Journal of Athletic Training*. 52(6): S-243.

Boucher T., Greenwood L, Utley, H. (2016, June) *The Effectiveness of Modified Low-Dye Taping Technique on the Subtalar Joint Neutral Position Before and After a Period of Moderate Exercise*. *Journal of Athletic Training*. 51(6): S-61.

Boucher T., Bergeron C, Armstrong C, Greenwood M, Byrne-Hanik K (2015, June) *Effectiveness of Rotator Discs on Hip Rotation Range of Motion, Strength, and Function in Dancers*. *Journal of Athletic Training*. 50(6): S-270.

Boucher T., Gallucci, A. (2014) *The Effect of Instrument-assisted Manual Therapy Technique on Brachial Hemodynamics and Pain*. *Journal of Athletic Training*. 49(3): S-290.

Boucher T, La Bounty PM, Rigby R, Arnold E (2013) *Reliability and Validity Of M-Mode Ultrasound Measurements of Quadriceps Femoris Contractile Time*. Journal of Athletic Training. 48(3): S-184.

Sheaffer A, Greenwood L, **Boucher T** (2013) *The effect of cognitive fatigue on balance*. Journal of Athletic Training. 48(3): S-205

Teblum J, **Boucher T**, Greenwood L (2013) *The Effect of Different Compositions of Ice Bags on Circulation in the Femoral Artery in Healthy Males*. Journal of Athletic Training. 48(3): S-131.

La Bounty P, Galvan E, Reid J, Campbell B, McElroy J, Doyle E, **Boucher T**. (2012). *Self-reported nutritional supplement usage among professional mixed martial artists – preliminary findings*. International Society of Sports Nutrition 9(Suppl 1): 18.

Boucher T, Greenwood L, La Bounty P, Greenwood M. (2010). *Effectiveness of Surface Electromyographic Biofeedback-Triggered Neuromuscular Electrical Stimulation on Isometric Knee Extensor Torque*. Proceedings of the Texas Physical Therapy Association annual conference.

Boucher T, Wang S, Olson S, Trudelle-Jackson E. (2009). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. Journal of Orthopedic & Sports Physical Therapy, 39(1), A55.

Boucher T, Wang S, Olson S, Trudelle-Jackson E. (2008). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. Proceedings of the Texas Physical Therapy Association annual conference, USA.

Boucher T, Wang S, Olson S, Trudelle-Jackson E. (2008). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. Proceedings of the Texas Society of Allied Health Professionals annual conference, USA.

Boucher T, Wang S. (2006). *The effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation: a single case design*. Journal of Orthopedic & Sports Physical Therapy, 36(1), A31.

Professional Presentations

Refereed Presentations (*Publication was joint-authored with Graduate Student)

Boucher T, Greenwood L, Alexander V, Sussman R. (2020, June) *Y-Balance Test™ as a Predictor of Lower Extremity Injuries in Division I Collegiate Football Players*. Presented at the virtual annual conference of the National Athletic Trainer Association-Orlando, FL*

Boucher T, Greenwood L, McConnell L, Mullinnix, J. (2019, June) *Acute Effects of Instrument Assisted Soft Tissue Mobilization, Foam Rolling, and Static Stretching on Hamstrings and Quadriceps Flexibility*. Presented at the annual conference of the National Athletic Trainer Association-Las Vegas, NV*

Ellis, G, Wooten T, **Boucher T**, Hare M, Jones-Schubart K, Mufich M, Weston C, Greenwood L. (Sept 2018) *Interprofessional Education Between Athletic Training and Nurse Practitioner Students : A Pilot*

Study. Presented at the 4th Annual Interprofessional Education and Research Symposium (IPER 4)-Bryan, Tx.*

Mufich M, **Boucher T**, Greenwood L, Jones-Schubert K, Cynthia Weston C. (2018, July) *IPE Extreme Race Simulation: Identifying Gaps in Patient Care*. Presented at the annual conference of the Nurses Educator Conference in the Rockies-Vail, Co.

Mufrich M, **Boucher T**, Greenwood L, Jones-Schubert, Weston C. (2017, Sept) *IPE "Extreme" Race Simulation: Identifying Gaps In Patient Care*. Presented at the 3rd Annual Interprofessional Education and Research Symposium (IPER 3)-Bryan, Tx.

Boucher T, Greenwood L, King, R, & Piloto, M. (2017, June) *C3Logix and Standardized Measuring Stick Drop Test Correlation of Clinical Reaction Time and Predictors of Concussion*. Presented at the annual conference of the National Athletic Trainer Association-Houston, Tx.*

Boucher T, Greenwood M, Utley, H. (2016, June) *The Effectiveness of Modified Low-Dye Taping Technique on the Subtalar Joint Neutral Position Before and After a Period of Moderate Exercise*. Presented at the annual conference of the National Athletic Trainer's Association, Baltimore, MD.*

Armstrong, C., Bergeron, C., **Boucher, T.**, Boudlin, S., Forman, A., Griffith, H., Johnston, C., & Lerch, K. (2016) *Effectiveness of Plyometrics on Vertical and Horizontal Jump in Dance Technique*. Presented at Brazil-UK Network: Dance Medicine and Science. Goiania, Brazil.

Armstrong, C., Bergeron, C., **Boucher, T.**, Boudlin, S., Forman, A., Griffith, H., Johnston, C., & Lerch, K. (2016) *Effectiveness of Plyometrics on Vertical and Horizontal Jump in Dance Technique*. Presented at Performing Arts Medicine Association. New York, New York.

Armstrong, C., Bergeron, C., **Boucher, T.**, Boudlin, S., Forman, A., Griffith, H., Johnston, C., & Lerch, K. (2016) *Effectiveness of Pilates on Vertical and Horizontal Jump in Dance Technique*. Presented at National Dance Society Annual Conference. College Station, TX.

Boucher T, Greenwood L, Bergeron C, LeBlanc N, Placke A. (2015, Dec) *The Effects of an Entry Level Ballet Class on First Year Dance Majors on Improving Measurements of Balance Using the Biodex Balance System SD*. Presented at the annual convention of the Texas Association for Health, Physical Education, Recreation, and Dance.*

Bergeron C, Armstrong C, **Boucher T**, Greenwood M, Byrne-Hanik K (2015, June) *Effectiveness of Rotator Discs on Hip Rotation Range of Motion, Strength, and Function in Dancers*. Presented at the annual conference of the National Athletic Trainer's Association

Bergeron C, Armstrong C, **Boucher T**, Greenwood M, Byrne-Hanik K. (2014, Dec) *Effectiveness of Rotator Discs on Hip External Rotation in Ballet Movement Sequences*. Presented at the annual convention of the Texas Association for Health, Physical Education, Recreation, and Dance

Boucher T, Gallucci, A. (2014, June) *The Effect of Instrument-assisted Manual Therapy Technique on Brachial Hemodynamics and Pain*. Presented at the annual conference of the National Athletic Trainer's Association

Boucher T, LaBounty P, Rigby R, Arnold E. (2013, June) *Reliability and validity of M-Mode Ultrasound Measurements of Quadriceps Femoris Contractile*. Presented at the annual conference of the National Athletic Trainer's Association*

Greenwood L, **Boucher T**, Sheaffer A. (2013, June) *The effect of cognitive fatigue on balance*. Presented at the annual conference of the National Athletic Trainer's Association*

Boucher T, Teblum J, Greenwood L. (2013, June) *The Effect of Different Compositions of Ice Bags on Circulation in the Femoral Artery in Healthy Males*. Presented at the annual conference of the National Athletic Trainer's Association*

Greenwood L., **Boucher T**, Lougheed C. (2012, June). *Effects of Low-Dye Taping on Measures of Static and Dynamic Balance in Female Pronators*. Presented at the annual conference of the National Athletic Trainer's Association*

La Bounty P., Galvan E., Reid J., Campbell B., McElroy J., Doyle E., **Boucher T**. (2012, November). *Self-reported nutritional supplement usage among professional mixed martial artists – preliminary findings*. Presented at International Society of Sports Nutrition (ISSN) Conference and Exposition

Greenwood L, **Boucher T**, Smart M, Barnard-Brak L, La Bounty P, Greenwood M. (2011, June). *Acute Effects of Dynamic and Static Stretch on the Peak Torque and ROM of Shoulder Internal and External Rotation*. Presented at the annual conference of the National Athletic Trainer's Association*

Greenwood L, **Boucher T**, Spiers S, Barnard-Brak L, La Bounty P, Greenwood M (2011, June). *Comparison of the Effects of Aquatic and Land-Based Balance Training Programs on the Postural Control of College-Aged Recreational Athletes*. Presented at the annual conference of the National Athletic Trainer's Association*

Boucher T, Greenwood L, La Bounty P, Greenwood M. (2010, October). *Effectiveness of Surface Electromyographic Biofeedback-Triggered Neuromuscular Electrical Stimulation on Isometric Knee Extensor Torque in Healthy Individuals*. Presented at the annual conference of the Texas Physical Therapy Association, Arlington, TX.

Willoughby DS, **Boucher T**, Reid J, Skelton G, Clark M. (2010, June). *Effects of 7 Days of Arginine-Alpha-Ketoglutarate Supplementation on Blood Flow, Plasma L-Arginine, Nitric Oxide Metabolites, and Asymmetric Dimethyl Arginine After Resistance Exercise*. Presented at the annual conference of the International Society of Sports Nutrition, Clearwater, FL.

Boucher T, Wang S, Olson S, Trudelle-Jackson E. (2009, February). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. Presented at the annual conference of the American Physical Therapy Association - Combined Sections Meeting, Las Vegas, NV.

Boucher T, Wang S, Olson S, Trudelle-Jackson E. (2008, October). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. Presented at the annual conference of the Texas Physical Therapy Association, Lubbock, TX.

Boucher T, Wang S, Olson S, Trudelle-Jackson E. (2008, September). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. Presented at the annual conference of the Texas Society of Allied Health Professionals, El Paso, TX.

Boucher T, Wang S. (2006, January). *The effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation: a single case design*. Presented at the annual conference of the American Physical Therapy Association - Combined Sections Meeting, San Diego, CA.

Boucher T, Wang S, (2005, October). *The effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation: an outcome study*. Presented at the annual conference of the Texas Physical Therapy Association, Houston, TX.

Invited Presentations

Boucher, T. (2012, January). *Primary and secondary injury evaluation*. Symposium conducted at the meeting of the Southwest Athletic Trainer's Association- Competency Workshop Dallas, TX.

Boucher, T. (2011, January). *Primary and secondary injury evaluation*. Symposium conducted at the meeting of the Southwest Athletic Trainer's Association- Competency Workshop Dallas, TX.

Boucher, T. (2010, January). *Primary and secondary injury evaluation*. Symposium conducted at the meeting of the Southwest Athletic Trainer's Association- Competency Workshop Dallas, TX.

Boucher, T. (2010, January). *Manual muscle testing*. Symposium conducted at the meeting of the Southwest Athletic Trainer's Association- Competency Workshop Dallas, TX.

Boucher, T. (2009, January). *Orthopedic Special Testing*. Symposium conducted at the meeting of the Southwest Athletic Trainer's Association- Competency Workshop Dallas, TX.

Grants and Contracts

External Support

Received

Graduate Athletic Training Assistantships - Baylor University: Axtell ISD, Crawford ISD, Bruceville-Eddy ISD, West ISD (Funded 8/1/2011-5/31/12). Principal Investigator. **Funded: \$50,600**

Effectiveness of surface electromyographic-triggered neuromuscular electrical stimulation on knee rehabilitation. Texas Physical Therapy Foundation, November 2005. Principal Investigator. **Funded: \$3000.**

Effectiveness of surface electromyographic-triggered neuromuscular electrical stimulation on knee rehabilitation. Texas Society of Allied Health Professionals, August 2005, Principal Investigator. **Funded: \$1000**

Submitted

Effectiveness of the combination of electromyographic biofeedback and neuromuscular stimulation on knee rehabilitation. Foundation for Physical Therapy: Promotion of Doctoral Studies, January 2005, Principal Investigator. **Not funded.**

Effectiveness of the combination of electromyographic biofeedback and neuromuscular stimulation on knee rehabilitation. Submitted to American Physical Therapy Association: Orthopedic Section, November 2004. Principal Investigator. **Not funded.**

Internal Support

Received

Summer Sabbatical Leave (Baylor - Summer 2011): *The effectiveness of platelet rich plasma injection on tendon thickness, angiogenesis, functional outcomes, and pain in tendinopathy* - Southwest Sports Medicine and Orthopedics physician group. **Funded**

Submitted

Young Investigator Development Program (Baylor - January 2011). *The effectiveness of platelet rich plasma injection on tendon thickness, functional outcomes, and pain in chronic tendinopathy: A single case design series.* **Not funded.**

SERVICE

Professional Certifications and Licensure

Licensed Physical Therapist: Texas Board of Physical Therapy Examiners – 1996 to present
Certified Athletic Trainer: Board of Certification for Athletic Trainers – 2000 to present
Licensed Athletic Trainer: Texas Department of Licensing & Registration – 2000 to present

Professional National Affiliations

Journal Reviewer: Journal of Electromyography and Kinesiology
Journal Reviewer: Journal of Athletic Training
Texas Society of Allied Health Professionals (2005-2010)
National Athletic Trainer's Association (since 2001)
American Physical Therapy Association, Orthopedic section (since 1995)
Texas Physical Therapy Association (since 1995)
Texas Tech Letterman's Association (since 1993)

University Service

Texas A&M University

Coordinator of Clinical Education– Master of Science in Athletic Training education program (2012-present)
Texas A&M University Graduate Faculty member (2012-present)

Non-thesis committee Chair/Co-chair: Master of Science in Athletic Training (2012-present)
 Texas A&M University Faculty Senate
 Faculty Senate Member (2018-2021)
 College of Education & Human Development chair/caucus leader (2019-2021)
 Texas A&M University Legislative Affairs Committee (2020-21)
 Texas A&M University Personnel and Wellness Committee (2019-2020)
 Texas A&M University Budget Information Committee (2018-2019)
 Texas A&M University Election Committee (2018-2019)
 Master of Science in Athletic Training Admissions Committee (2012-present)
 Committee for the Commission on Accreditation of Athletic Training Education Program (CAATE) –
 program and curriculum development (2012-present)
 Commission on the Accreditation of Athletic Training Education Site Visitor Committee (2016-2018)
 Health and Kinesiology A1 Academic Professional Track Review Committee (2015-2023)
 Health and Kinesiology Academic Professional Track Promotion Review Committee (2016-present)
 Health and Kinesiology Academic Professional Track Faculty Annual Review Template Committee
 (2020-2021)
 College of Education: Service, Teaching, and Research (STaR) Catapult Mentor Program (2018-2020)
 Health and Kinesiology Undergraduate Curriculum Committee (2018)
 3+2 Master of Science in Athletic Training Curriculum Working Committee (2015-2020)
 College of Education: Chair - Selection Committee of the Association of Former Students College-Level
 Teaching Award (2018)
 Health and Kinesiology Diversity & Climate Committee (2017-2019)
 Kinesiology Athletic Training Graduate Assessment Committee (2012-present)
 Texas A&M Interprofessional Education and Research Symposium -Texas A&M Health Science Center
 IPER 10 Faculty Facilitator (11/13/24)
 IPER 8 Faculty Facilitator (11/16/22)
 IPER 7 Faculty Facilitator: (11/17/21)
 Texas A&M Disaster Day
 Faculty Facilitator (3/1/24)
 Faculty Facilitator (3/3/23)
 Faculty Facilitator (2/25/22)
 Texas A&M Youth Adventure Program (YAP)-Sports Medicine (2015-2019)
 Moderator-National Athletic Trainer's Association (2016-2019)
 Texas A&M Dance program wellness screening (2013-present)
 Texas A&M Dance program orthopedic evaluation clinic (2015-2018)
 Mock interviews – Master of Science in Athletic Training program (2013-2016)
 Prospective student recruitment: Liaison for prospective students, clinical and campus tours (2012-
 present)
 Senior office associate search committee-Health and Kinesiology (11/2015)
 Non-thesis committee: Master of Science in Health (2015-2017)
 Aggieland Saturday (2015-2020)
 Aggie Move in day (2017)
 Armadillo DASH ½ Marathon - Service with graduate athletic training students to provide event coverage
 and promotion for national athletic training month (3/2013)

Baylor University

Baylor University Graduate Faculty member (2009-2012)
 Health, Human Performance, Recreation Graduate Council member (2011-2012)

Program director – Baylor University Graduate Athletic Training education program (5/2011-2012)
 Health, Human Performance, Recreation IRB committee (2009-2012)
 U.S. Army-Baylor University Faculty Committee(s) member (2009-2012):

- Doctor of Science in Physical Therapy, Brooke Army Medical Center, Fort Sam Houston, San Antonio, Tx
- Doctor of Science in Physician Assistant Studies (Clinical Orthopedics), Brooke Army Medical Center, Fort Sam Houston, San Antonio, Tx
- Doctoral Fellowship in Manual Orthopedic Physical Therapy, Brooke Army Medical Center, Fort Sam Houston, Tx
- Doctor of Science in Physician Assistant Studies (Clinical Orthopedics), William Beaumont Army Medical Center, Fort Bliss, El Paso, TX
- Post Professional Doctoral (DScPT)/Residency on Sports Medicine Physical Therapy, United States Military Academy, West Point, NY
- Doctor of Science in Physical Therapy, Madigan Army Medical Center, Ft. Lewis, Tacoma, WA

Faculty Advisor - Baylor Running Club (2009-2011): Organize and supervise club activities; Performed Runner's foot clinic with assessments performed by graduate students for HP 5360 requirement
 Search Committee Chair-Assistant Professor/Program Director in Athletic Training (2012)
 Search Committee Member-Assistant Clinical Professor/Clinical Coordinator in Athletic Training (2012)
 Athletic Training Education Program Curriculum committee (2008-2012)
 Baylor University Physical Therapy program feasibility committee (2011)
 Baylor Volleyball team athletic training coverage (2011)
 Clinical coordinator – Baylor University Athletic Training education program (8/2008-5/2011)
 Great Brazos Relay (2010): Provided online documentation for injury prevention and training
 Baylor squared - Baylor University & Baylor College of Medicine admissions (2010): Baylor pre-health & HHPR advising information & recruitment
 Baylor University Winter premiere (2010)
 Search committee member: Assistant/Associate professor of Recreational & Leisure Services (2010)
 Committee for the Commission on Accreditation of Athletic Training Education Program (CAATE) accreditation committee for program and curriculum development; CAATE re-accreditation awarded (8/2010), Self-study for CAATE accreditation (2009)
 School of education research colloquium (2010)
 School of education student recognition dinner (2010)
 Baylor University Tuition Proposal Task Force (2009)
 Faculty representative: New student dinner (2009)
 Baylor University Mock interview: ATEP seniors (2008-2012)
 Baylor University Mock practical for Graduate Athletic training students (2008-2009)
 Baylor University Student advisement: Athletic training and pre-health professional students
 Baylor University New Student recruitment: Liaison for prospective students, class observation, & campus tours

Community Service

Brazos County Disaster Day – Field Exercise
 (Armadillo DASH ½ Marathon - Service with graduate athletic training students to provide event coverage and promotion for national athletic training month (3/3/13)
 Christ United Methodist Church – College Station, Tx
 -Sunday school instruction for Branch youth class
 -Confirmation mentor and instructor
 First United Methodist Church –Waco, Tx

- Sunday school instruction for Home Builders II class
- My Brother's Keeper homeless shelter: Family volunteers

China Spring ISD

- Fall festival volunteer
- Dads of Great Students (WATCH D.O.G.S.) program (2010-2012)

Baylor Running Club: organize assistance for external events (2009-2012)

Special Olympics food committee (2010-2011)

Great Brazos Relay (2010): Provided online documentation for injury prevention and training

Special Olympics (2009)

ACADEMIC AND PROFESSIONAL HONORS AND AWARDS

Award for clinical excellence, HealthSouth, October 1996

Texas Tech University: Varsity track and field (1988-1993)

Four year letterman (1989-1992)

All Southwest Conference (1992)

Numerous student-athlete academic awards & recognition - Texas Tech University (1988-1993)