

CURRICULUM VITAE

Tal Amasay
Hollywood FL
305-899-4893

EDUCATION	DEGREE	DATE	MAJOR
University of Oregon, Eugene	PhD	Sep. 2008	Human Physiology
St. Cloud State University, St. Cloud	MSc	Mar. 2002	Exercise Sciences
Zinman College, Wingate Institute, Israel	BEd	Jun. 1997	Physical Education

PROFESSIONAL ACADEMIC EXPERIENCE

<i>Position</i>	<i>Organization</i>	<i>Dates</i>
Associate Professor	Barry University, Miami Shores/FL	Aug. 2015 – Present
Unit Manager Motion Analysis Center Lab	Barry University, Miami Shores/FL	Aug. 2015 – Present
General Movement Science Program Coordinator	Barry University, Miami Shores/FL	Aug. 2016 – Aug. 2017
Physical Education & Coaching program Coordinator	Barry University, Miami Shores/FL	Aug. 2010 – Jun. 2016
Assistant Professor	Barry University, Miami Shores/FL	Aug. 2009 – Aug. 2015
Assistant Professor	Bemidji State University, Bemidji/MN	Aug. 2008 – Jun. 2009
Graduate Research Fellow	Labor Education and Research Center, University of Oregon, Eugene/OR	Sep. 2006 – Jul. 2008
Graduate Research Fellow	Orthopaedic Biomechanics Laboratory, University of Oregon, Eugene/OR	Sep. 2004 – Jul. 2008
Graduate Teaching Fellow	University of Oregon, Eugene/OR	Sep. 2004 – Jul. 2008

OTHER PROFESSIONAL EXPERIENCE

<i>Position</i>	<i>Organization</i>	<i>Dates</i>
Health and Fitness consultant	Elements in Motion, Chicago/IL	Jan. 2000 – Jan. 2016
Health and Fitness Instructor	Holmes Place Health Clubs, Haifa/Israel	Jan. 2004 - Aug 2004
Physical Education Teacher	Yavne Elementary School, Netanya/Israel	Sep. 2002 - Jun. 2003
Instructor: Fitness, Anatomy, Physiology and Biomechanics	Israel Army Reserve, Israel	2002 - 2004
Vice Consul	General Consulate of Israel, New York/NY	Aug. 1998 - Aug. 2000
Attaché	Embassy of Israel, Bogota Colombia	Aug. 1996 - Jul. 1998

PROFESSIONAL LICENSURE AND CERTIFICATIONS

Israel, 1996

Ministry of Education and Sport, Senior Licensed Certified Physical Education Teacher 1st -12th Grades

USA, 2004

American College of Sports Medicine (ACSM), Certified Exercise Physiologist (EPC)

USA, 2010

National Strength and Conditioning Association (NSCA), Certified Strength and Conditioning Specialist (CSCS)

SCHOLARLY ACTIVITIES

Publications (green is for undergraduate students, yellow is for graduate student)

Peer-Reviewed

1. Egret C., Ransom A., Amasay T., Ludwig K. Lower Extremities Biomechanics Patterns of Obese and Normal Body Mass Adults during Stairs Ascent and Descent. *International Journal of Anatomy and Applied Physiology*, 2019;5(4):119-123.
2. Ferranti SA., Amasay T., Kuo YT., Shapiro S. Effect of Ankle Taping and Kinesio Taping on Lower Extremity Mechanics in Single Leg Drop Jump. *International Journal of Athletic Therapy & Training*, submitted March 2019. Submitted

3. **Jakobsson S.**, Mier CM., **Amasay T.** The Acute Effect of Fatigue on Planned Agility Performance in Soccer Players. *International Journal of Exercise Science*, April 2019. Second submission
4. **Aquino J.**, **Amasay T.** Biomechanical Comparison of “Dead” and “New” Pointe Shoe in Female Professional Ballet Dancers. *The Sport Journal*, February 14 2019; 20: 1-11. <http://thesportjournal.org/article/biomechanical-comparison-of-dead-and-new-pointe-shoes-in-female-professional-ballet-dancers/>
5. **Aquino J.**, **Amasay T.**, Ambegaonkar J., Shapiro S., Kuo YT. Lower Extremity Biomechanics and Muscle Activity Differ Between “New” and “Dead” Pointe Shoes in Professional Ballet Dancers. *Sports Biomechanics*, January 2019; 31: 12. doi: 10.1080/14763141.2018.1561931
6. **David E.**, **Amasay T.**, Ludwig K., Shapiro S. The effect of foam rolling of the hamstrings on proprioception at the knee and hip joints. *International Journal of Exercise Science*, 2019; 12 (1): 343-354.
7. **Amasay T.**, Mier C., **Foley K.**, and **Carswell T.** Gender differences in performance of equivalently loaded push-up and bench-press exercises. *The Journal of Sport*, May 2016; 5 (1): 46-63.
8. **Hunter J.**, Egret C., Ludwig K., Shapiro S., **Amasay T.** Kinematics and Kinetics Differences between Female Runners with and without Scoliosis. *International Journal of Scientific Research*, December 2016; 5 (12): 900-901.
9. **Amasay T.**, **Hall GA. II.**, Shapiro S., and Ludwig K. The Relation between Scapular Dyskinesia and the Upper Quarter Y-Balance Test. *International Journal of Anatomy & Applied Physiology*, March 2016; 2(2):20-25.
10. Mier M., **Amasay T.**, **Garner H.**, and **Capehart S.** Differences Between Men and Women in Percentage of Body Weight Supported During Push-Up Exercise. *International Journal of Exercise Science*, 2014; 7 (2): 161-168.
11. **Amasay T.**, and Karduna A. Patient’s Body Size Influences Dental Hygienist Shoulder Kinematics. *IIE Transactions on Occupational Ergonomics and Human Factors*, 2013 April 10; 1 (3): 153-165.
12. **Amasay T.**, **Latteri M.** and Karduna A. In-Vivo Measurement of Humeral Elevation Angles and Exposure Using a Triaxial Accelerometer. *Human Factors*, 2010 December; 52(6):616-26.
13. **Acuna M.**, **Amasay T.**, Karduna AR. The reliability of side to side measurements of upper extremity activity levels in healthy subjects. *BMC Musculoskeletal Disorders*. 2010 Jul; 22 (11):168

14. Jennifer A. Hess., Laurel Kincl., **Tal Amasay.**, and **Peter Wolfe.** Ergonomic evaluation of masons laying concrete masonry units and autoclaved aerated concrete. *Applied Ergonomics*, 2010 May; 41(3):477-83.
15. **Amasay Tal.**, **Keely Zodrow.**, Laurel Kincl., Jennifer Hess., and Andrew Karduna. Validation of tri-axial accelerometer for the calculation of elevation angles. *International Journal of Industrial Ergonomics*. Volume 39, Issue 5, September 2009, Pages 783-789.
16. **Amasay T.**, Karduna A. Scapular Kinematics in Constrained and Functional Upper Extremity Movements. *Journal of Orthopaedic & Sports Physical Therapy*. 2009;39(8):618-627.
17. **Amasay T.** Static Block Jump Techniques in Volleyball: Upright versus Squat Starting Positions. *Journal of Strength and Conditioning Research*. 22: 1242-1248, 2008.

Conference Proceeding Publications (green is for **undergraduate students**, yellow is for **graduate student**)

Peer-Reviewed

1. **Masson K.**, **Amasay T.**, **Bello A.**, Parry M., **Aquino J.** Exploring Upper Quarter Y-Balance Test Biomechanical Strategies in Active College Students. *Medicine & Science in Sports & Exercise*, 49(5S):733, May 2019.
2. **Herrera MC.**, **Amasay T.**, Papadakis Z., **Castillo A.**, **Day S.**, Padgett N. Identification of Risk Factors Associated with Groin Injury in an Upright Standing Position. *Medicine & Science in Sports & Exercise*, 49(5S):47, May 2019.
3. **Amasay T.**, **Aquino J.**, Ambegaonkar J., Shapiro S., Kuo YT. A Kinematic, Kinetic, and Electromyographic Comparison of “New” And “Dead” Pointe Shoes in Professional Ballet Dancers. *Medicine & Science in Sports & Exercise*, 49(5S):46, May 2019.
4. **Herrera MC.**, **Amasay T.**, Santo-Vitorino M. Case Presentation for Peripheral Nerve Neuropraxia (trauma). *International Journal of Exercise Science*, 2(11), 5, March 2019.
5. **Day NS.**, **Amasay T.**, Freer S. Case Presentation for Suprascapular Neuropathy. *International Journal of Exercise Science*, 2(11), 23, March 2019.
6. **Zamora GM.**, **Amasay T.**, Santo-Vitorino M. Case Presentation for Pigmented Villonodular Synovitis (PVNS). *International Journal of Exercise Science*, 2(11), 25, March 2019.
7. **Castillo A.**, **Amasay T.**, Pastore JK. Case Presentation for Hamstring Strain. *International Journal of Exercise Science*, 2(11), 31, March 2019.

8. **Maatouk M.**, Arbel V., Sorouri RM., **Amasay T.** Case Presentation for Right Grade II Supraspinatus Tendinitis/Tendinosis Right Elbow Lateral Epicondylitis. *International Journal of Exercise Science*, 2(11), 40, March 2019.
9. **Kurowski MA.**, Arbel V., Sorouri RM., **Amasay T.** Case Presentation for Herniated Nucleus Pulposus L5-S1. *International Journal of Exercise Science*, 2(11), 100, March 2019.
10. **Gupte A.**, Arbel V., Sorouri RM., **Amasay T.** Case Presentation for Metastasis Prostatic Cancer. *International Journal of Exercise Science*, 2(11), 102, March 2019.
11. **Jaldety N.**, Arbel V., Sorouri RM., **Amasay T.** Case Presentation for Left Labrum Tear of the shoulder. *International Journal of Exercise Science*, 2(11), 104, March 2019.
12. **David E.**, **Amasay T.**, Ludwig K., Shapiro S. The effect of hamstrings Foam Rolling on knee and hip joints proprioception. Proceeding of the 42nd Annual Meeting of the American Society of Biomechanics. August, 2018. http://www.asbweb.org/wp-content/uploads/2018/08/asb2018Abstracts_rev.pdf
13. **Amasay T.**, **Jakobsson S.**, Mier CM. The Effect of High Intensity Interval Training on Planned Agility Performance in Soccer Players. *Medicine & Science in Sports & Exercise*, 50(5S):780, May 2018.
14. **Aquino J.**, **Amasay T.** A Kinetic Comparison of “New” And “Dead” Pointe Shoes of Professional Ballerinas during Common Techniques. Proceeding of the 40th Annual Meeting of the American Society of Biomechanics. August, 2016. http://www.asbweb.org/conferences/2016/abstracts/AllAbstracts_2016.pdf
15. **Foley KK.**, **Carswell TL.**, Mier CM, **Amasay T.** Gender Differences in Push Up and Bench Press as related to Body Weight. *Medicine & Science in Sports & Exercise*, 46(5S):820-821, May 2014.
16. **Amasay T.**, **Capehart S.**, Suprak D. Biomechanical Predictors of Takeoff Time in Quick Vertical Jump from Upright and Squat Starting Positions. *Medicine & Science in Sports & Exercise*, 45(5):539, May 2013.
17. Mier CM, **Amasay T.**, **Capehart S.**, **Garner H.** Sex Differences in The Percentage of Body Mass Supported During The Traditional And Modified Push-up. *Medicine & Science in Sports & Exercise*, 45(5):603, May 2013.
18. **Amasay T.**, Karduna A. The Influence of Patient's Body Size on Dental Hygienist Shoulder Kinematics. *Medicine & Science in Sports & Exercise*, 44:371, May 2012.
19. **Amasay T.**, **Latteri M.**, Karduna A. In Vivo Measurement of Humeral Elevation Angles and Exposure Using a Triaxial Accelerometer. *Human Factors—rok 2010, roč. 52*

20. **Chen CJ.**, **Fujimoto M.**, **Ewers S.**, **Amasay T.**, **San Juan J.**, **Lugade V.**, **Erickson C.**, Chou LS., Karduna A. REPEATABILITY OF IN-VIVO MOTION ANALYSIS: OPTICAL vs. ELECTROMAGNETIC TRACKING SYSTEMS. Proceeding of the 33rd Annual Meeting of the American Society of Biomechanics. August, 2009, <http://www.asbweb.org/conferences/2009/960.pdf>.
21. **Amasay T.**, Karduna A. Quantifying and Predicting Elevation Angle Error Using Tri-Axial Accelerometer During Dynamic Motion. Proceeding of the 32nd Annual Meeting of the American Society of Biomechanics. August, 2008, <http://w.asbweb.org/conferences/2008/abstracts/238.pdf>.
22. **Amasay T.**, **Zodrow K.**, Kincl L., Karduna A. Validation of Tri-Axial Accelerometer for the Calculation of Elevation Angles. Proceeding of the 31st Annual Meeting of the American Society of Biomechanics. August, 2007. <http://www.asbweb.org/wp-content/uploads/2007/2007ASBmeetingproceedings.pdf>
23. **Amasay T.**, Karduna A. Scapulothoracic Joint Kinematics during Constrained and Unconstrained Movements. Proceeding of the 30th Annual Meeting of the American Society of Biomechanics. September, 2006. <http://www.asbweb.org/conferences/2006/pdfs/54.pdf>

Not Peer-Reviewed (Editorial Article) (green is for undergraduate students, yellow is for graduate student)

1. **Amasay T.**, and **David E.** Why It is Important to Understand the Relation between Foam Rolling and Proprioception. *International Journal of Anatomy & Applied Physiology*. 2018;4(1e):1-2.
2. **Amasay T.**, and **Sitte K.** The Role of Athletic Trainers in the Occupational and Industrial Work Setting. *Journal of Ergonomics*. Volume 6, Issue 1, January 2016.
3. **Amasay T.** The Obesity Epidemic and Its Relation to the Prevalence of Musculoskeletal Disorders in Occupations that Service the Obese Individual. *Journal of Ergonomics*. Volume 2, Issue 1, January 2012.

Presentations (green is for undergraduate students, yellow is for graduate student)

Peer-Reviewed

1. **Herrera MC.**, **Amasay T.**, Egret C., Ludwig K. Correlation between Pelvic Tilt Angle and changes in Hip Range of Motion and Hip Muscles Torque Ratios. American College of Sport Medicine 67th Annual Meeting, 11th World Congress on Exercise is Medicine, & World Congress on the Basic Science Exercise in Regenerative Medicine. San Francisco, CA. May 26th – May 30th, 2020. Submitted

2. **Amasay T., Stroud T.** Test-retest Reliability and Performance Differences Between Traditional Upper Quarter Y-Balance Test and Two Modifications. American College of Sport Medicine 67th Annual Meeting, 11th World Congress on Exercise is Medicine, & World Congress on the Basic Science Exercise in Regenerative Medicine. San Francisco, CA. May 26th – May 30th, 2020. Submitted
3. **Sanchez LA., Moodie CR., Astrachan Q., Anderson AB., Amasay T.,** Stamatis A., and Papadakis Z. Race and Gender Differences in Overweight-Obese Population on Mental Toughness. American College of Sport Medicine 67th Annual Meeting, 11th World Congress on Exercise is Medicine, & World Congress on the Basic Science Exercise in Regenerative Medicine. San Francisco, CA. May 26th – May 30th, 2020. Submitted
4. **Sanchez LA., Moodie CR., Astrachan Q., Anderson AB., Amasay T.,** Stamatis A., and Papadakis Z. Race and Gender Differences in Overweight-Obese Population on Mental Toughness. American College of Sport Medicine Southeast Chapter Annual Meeting. Jacksonville, FL. February 13th – February 15th, 2020. Submitted
5. **Masson K., Amasay T., Bello A.,** Parry M., **Aquino J.** Exploring Upper Quarter Y-Balance Test Biomechanical Strategies in Active College Students. American College of Sport Medicine 66th Annual Meeting, 10th World Congress on Exercise is Medicine, & World Congress on the Basic Science of Exercise, Circadian Rhythms and Sleep. Orlando, FL. May 28th – June 1st, 2019.
6. **Herrera MC., Amasay T.,** Papadakis Z., **Castillo A., Day S.,** Padgett N. Identification of Risk Factors Associated with Groin Injury in an Upright Standing Position. American College of Sport Medicine 66th Annual Meeting, 10th World Congress on Exercise is Medicine, & World Congress on the Basic Science of Exercise, Circadian Rhythms and Sleep. Orlando, FL. May 28th – June 1st, 2019.
7. **Amasay T., Aquino J.,** Ambegaonkar J., Shapiro S., Kuo YT. A Kinematic, Kinetic, and Electromyographic Comparison of “New” And “Dead” Pointe Shoes in Professional Ballet Dancers. American College of Sport Medicine 66th Annual Meeting, 10th World Congress on Exercise is Medicine, & World Congress on the Basic Science of Exercise, Circadian Rhythms and Sleep. Orlando, FL. May 28th – June 1st, 2019.
8. **Castillo AP., Herrera MC., Amasay T.** Differences in Hip Adduction and Abduction Ratio at Two Different Angular Velocities. 11th STEM Symposium. Barry University, Miami Shores, FL. April 5th, 2019.
 - **Won the outstanding poster presentation award.**
9. **Herrera MC., Amasay T.,** Santo-Vitorino M. Case Presentation for Peripheral Nerve Neuropraxia (trauma). American College of Sport Medicine Texas Chapter Annual Meeting. Fort Worth, TX. February 28th – March 1st, 2019.

10. **Zamora GM.**, **Amasay T.**, Santo-Vitorino M. Case Presentation for Pigmented Villonodular Synovitis (PVNS). American College of Sport Medicine Texas Chapter Annual Meeting. Fort Worth, TX. February 28th – March 1st, 2019.
11. **Day NS.**, **Amasay T.**, Freer S. Case Presentation for Suprascapular Neuropathy. American College of Sport Medicine Texas Chapter Annual Meeting. Fort Worth, TX. February 28th – March 1st, 2019.
12. **Castillo A.**, **Amasay T.**, Pastore JK. Case Presentation for Hamstring Strain. American College of Sport Medicine Texas Chapter Annual Meeting. Fort Worth, TX. February 28th – March 1st, 2019.
13. **Gupte A.**, Arbel V., Sorouri RM., **Amasay T.** Case Presentation for Metastasis Prostatic Cancer. American College of Sport Medicine Texas Chapter Annual Meeting. Fort Worth, TX. February 28th – March 1st, 2019.
14. **Kurowski MA.**, Arbel V., Sorouri RM., **Amasay T.** Case Presentation for Herniated Nucleus Pulposus L5-S1. American College of Sport Medicine Texas Chapter Annual Meeting. Fort Worth, TX. February 28th – March 1st, 2019.
15. **Maatouk M.**, Arbel V., Sorouri RM., **Amasay T.** Case Presentation for Right Grade II Supraspinatus Tendinitis/Tendinosis Right Elbow Lateral Epicondylitis. American College of Sport Medicine Texas Chapter Annual Meeting. Fort Worth, TX. February 28th – March 1st, 2019.
16. **Jaldety N.**, Arbel V., Sorouri RM., **Amasay T.** Case Presentation for Left Labrum Tear of the shoulder. American College of Sport Medicine Texas Chapter Annual Meeting. Fort Worth, TX. February 28th – March 1st, 2019.
17. **David E.**, **Amasay T.**, Ludwig K., Shapiro S. The effect of hamstrings Foam Rolling on knee and hip joints proprioception. The 42nd Annual Meeting of the American Society of Biomechanics. Rochester, MN. August 8th – 11th, 2018.
18. **Amasay T.**, **Jakobsson S.**, Mier C. The Effect of High Intensity Interval Training on Planned Agility Performance in Soccer Players. American College of Sport Medicine 65th Annual Meeting, 9th World Congress on Exercise is Medicine, & World Congress on the Basic Science of Muscle Hypertrophy and Atrophy. Minneapolis, MN. May 29th – June 2nd, 2018.
19. Shapiro S., **Ferranti S.**, Kuo YT., **Amasay T.** The Effects of Kinesio Taping and Ankle Taping on lower extremity during Drop Jump. The 43rd Annual Southeast Athletic Trainers' Association Clinical Symposium & Members' Meeting. Atlanta, GA. March 8th – 10th, 2018.
20. **Vered Arbel**, Charles B. Walter, Kari L. Hamstra-Wright, John E. Coumbe-Lilley, & **Tal Amasay**. The Effect of Contralateral, Ipsilateral, and Bilateral Exercise Protocols on

Core Stability in Healthy Adults. The 45th Midwest American College of Sport Medicine Annual Meeting. Grand Rapids, MI. November 10th – 11th, 2017.

21. **Aquino J.**, **Amasay T.** A Kinetic Comparison of “New” And “Dead” Pointe Shoes of Professional Ballerinas during Common Techniques. The 40th Annual Meeting of the American Society of Biomechanics. Raleigh, NC. August 2nd – 5th, 2016.
22. Shapiro S., **Hall G.**, **Amasay T.**, Ludwig K. The Relation between the Upper-Quarter Y-Balance Test and Scapular Dyskinesis. The 41st Annual Southeast Athletic Trainers' Association Clinical Symposium & Members' Meeting. Atlanta, GA. March 10th – 13th, 2016.
23. **Foley K.**, **Carswell T.**, Mier C., **Amasay T.** Gender Differences in Push Up and Bench Press as related to Body Weight. American College of Sport Medicine 61st Annual Meeting, 5th World Congress on Exercise is Medicine and World Congress on the Role of Inflammation in Exercise, Health and Disease. Orlando, FL. May 27th – May 31st, 2014.
24. **Amasay T.**, **Capehart S.**, Suprak D. The Biomechanical Predictors of Maximal Vertical Jump Height from Upright and Squat Starting Positions. Southern District American Alliance for Health, Physical Education, Recreation and Dance Convention. Lexington, KY. February 19th – February 22nd, 2014.
25. **Ransom A.**, Egret C., **Amasay T.**, Ludwig K. The Effects of Obesity on the Joints of the Lower Extremity During a Series of Functional Tests. Southern District American Alliance for Health, Physical Education, Recreation and Dance Convention. Lexington, KY. February 19th – February 22nd, 2014.
26. **Amasay T.**, **Capehart S.**, Suprak D. Biomechanical Predictors of Takeoff Time in Quick Vertical Jump from Upright and Squat Starting Positions. American College of Sport Medicine 60th Annual Meeting and 4th World Congress on Exercise is Medicine. Indianapolis, IN. May 29th - June 1st, 2013.
27. Mier C., **Amasay T.**, **Garner H.**, **Capehart S.** Sex differences in percentage of body mass supported during the traditional and modified push-up. American College of Sport Medicine 60th Annual Meeting and 4th World Congress on Exercise is Medicine. Indianapolis, IN. May 29th - June 1st, 2013.
28. **Amasay T.**, Karduna A. The Influence of Patient’s Body Size on Dental Hygienist Shoulder Kinematics. American College of Sports Medicine 59th Annual Meeting and 3rd World Congress on Exercise is Medicine. San Francisco, CA. May 29th–June 2nd, 2012
29. **Amasay T.**, Karduna A. The Use of the Virtual Corset, Triaxial Accelerometer, to Quantify Humeral Elevation Angles and Exposure in Dental Hygienists. 3rd International Conference on Applied Human Factors and Ergonomics. Miami, FL. July 17th-20th, 2010

30. **Amasay T.**, Karduna A. Quantifying and Predicting Elevation Angle Error Using Tri-Axial Accelerometer During Dynamic Motion. North American Congress on Biomechanics. Ann Arbor, Michigan. August 5th-9th, 2008.
31. **Latteri M.**, **Amasay T.**, Karduna A. Validating of a Triaxial Accelerometer to Estimate Elevation Angles in Dental Hygienists. Northwest Biomechanics 4th Symposium. Boise, ID. May 9th-10th, 2008.
32. **Amasay T.**, **Zodrow K.**, Kincl L., Karduna A. Validation of Tri-Axial Accelerometer for the Calculation of Elevation Angles. American Society of Biomechanics 31st Conference. Stanford, CA. August 22nd-25th, 2007
33. **Zodrow K.**, **Amasay T.**, Karduna A. The Use of a Triaxial Accelerometer Assessing Shoulder Elevation Angles. Northwest Biomechanics 3rd Symposium. Eugene, OR. May 18th-19th, 2007.
34. **Yang X.**, **Amasay T.**, Karduna A. Scapular Behavior during Active Arm Elevation: 3_D Kinematic Tracking Study. Northwest Biomechanics 3rd Symposium. Eugene, OR. May 18th-19th, 2007.
35. **Amasay T.**, Karduna A. Scapulothoracic Joint Kinematics during Constrained and Unconstrained Movements. American Society of Biomechanics 30th Conference. Blacksburg, VA. September 7th-10th, 2006.
36. **Amasay T.** Can Digitizing be used to Detect the SSC in Squat Jump that cannot be Detected with the Force Plate. American College of Sports Medicine Regional Northern Chapter. Minneapolis, MN. 2001.

Not Peer-Reviewed

1. Amasay T. The Biomechanics of Resistance Exercises and Exercise Prescription Presentations. Oak Brook Racquet & Fitness Club, Westmont, IL, February 18th, 2011.
2. Amasay T. Biomechanics of Injuries Presentation. Elements in Motion, Chicago, IL, March 4th, 2011.

Awards or Grants

1. The Prevalence of musculoskeletal injuries and Burnout in Undergraduate Nursing and Physician Assistant Students at Barry University. 2019. CNHS Project and Professional Development Scholarship, Project ADVICE, \$5000. Principal Investigators: Dr. Tal Amasay, Dr. Delia Leal, & Dr. Randi Beth Cooperman. Funded

2. Barry University Innovation in Teaching Excellence Faculty Member Award Recipient, \$1000
3. Dental Hygienists Perceived Higher Physiological and Psychological Exertion While Treating Obese, and/or Elderly Patient. 2014. Barry's 2014 Faculty Incentive Grant Program, \$4,604. Principal investigator: Dr. Tal Amasay. Not funded
4. Healthy Eating Healthy Living Partnership. 2013. Aetna Foundation Grant. \$37,000. Team Member: Dr. Tal Amasay. Not funded
5. The influence of upper body versus lower body explosive training on the throw speed of blind and visually impaired men and women professional Goalball athletes. 2013. Ambassador Jean Wilkowski International Fellowship, \$3,000. Principal investigator: Dr. Tal Amasay. Funded
6. Go 4G (Go for Gold!), Elder Health-Fitness and Wellness Program. 2012. Health Foundation of South Florida (HFSF), \$ 35,025. Team Member: Dr. Tal Amasay. Not Funded
7. The biomechanical characteristics of vertical jump in different sports and it's relation to lower extremity power output and impulse. 2011. Professional Research and Creative Activity Grants at Barry University, \$500. Principal investigator: Dr. Tal Amasay. Funded
8. The Influence of Obese Patient and Elderly Patient on Dental Hygienist Perceived Exertion. 2011. Barry's 2011 Faculty Incentive Grant Program, \$4,953. Principal investigator: Dr. Tal Amasay. Not Funded
9. New Power, Speed and Agility Field test for basketball players. 2010. Ambassador Jean Wilkowski International Fellowship at Barry University, \$3,000. Principal investigator: Dr. Tal Amasay. Not Funded

INSTRUCTIONAL ACTIVITIES

Teaching Responsibilities at Barry University

<i>Course Number</i>	<i>Course Title</i>	<i># Semesters Taught</i>
SES 210	Foundations of Sport and Exercise Sciences	5
SES 270	Concepts of Fitness and Wellness	4
SES 320-DL	Kinesiology	2
SES 326	Principles of Motor Learning	9

SES 332	Applied Exercise Techniques & Injury Prevention	2
SES 350	Tests and Measurement in HPER and Sport	6
SES 360	Essentials of Exercise Physiology	1
SES 360L	Essentials of Exercise Physiology Lab	1
SES 367	Principals of Personal Training	6
SES 463/563	Applied Physiology of Strength and Conditioning	9
SES 470	Methods and Practice of Elementary Physical Education	7
SES 476	Secondary School Physical Education Theory and Practice II	1
SES 486-EX	Exercise Science Practicum	4
SES 486-C/D	Physical Education Practicum	9
SES 486-CO	Coaching Practicum	11
SES 499-EX	Exercise Science Internship	20
SES 546	Qualitative Analysis in Biomechanics	8
SES 600	Advanced Studies in Exercise Sciences	13
SES 600-DL	Kinesiology	5
SES 618	Fitness & Wellness Promotion	2
SES 625	Motor Learning and Control	6
SES 627	Laboratory Instrumentation in Biomechanics	4
SES: 679-E	Internship Exercise Physiology	4
SES: 686-E	Advance Practicum Exercise Physiology	8

SES 689-A	Thesis I	3
SES 690-A	Thesis II	5

Teaching Responsibilities at Bemidji State University

<i>Course Number</i>	<i>Course Title</i>	<i># Semesters Taught</i>
PHED 3090	Sport Physiology for Coaches	1
PHED 3100	Motor Development	1
PHED 3110	Motor Learning	2
PHED 3200	Introduction to Sports Biomechanics	2
PHED 3300	Physiology of Exercise and Nutrition	1
HLTH 3300	Nutrition	1
PHED 4160	Personal Trainer: Aerobic Exercise	1
PHED 4910	Exercise Science Practicum	2
PHED 4970	Physical Education Internship	1
PHED 4970	Exercise Science Internship	2
PHED 5110	Motor Learning	2

Student Research Advising

Thesis

1. **Committee Member**, The Effect of Cold-Water Immersion and Active Rest on Performance Recovery in Elite, Female Hockey Players, Emily Tong, Spring 2009.
2. **Committee Member**, A comparison of using bands and chains between two variable resistance training programs, J.T. Mathy, Spring 2009.

3. **Committee Member**, Kinematic Components of the Take-Off in the Running Long Jump with respect to the Take-Off in the Pole Vault in Track and Field, Nicole Friend, Spring 2009.
4. **Committee Member**, The Number of Free Throw Attempts and Its Effect on the Outcome of Male Collegiate Basketball Games, Ryan L. Montgomery, Spring 2009.
5. **Committee Member**, Rowers Eating Disorders, Symptoms and Behaviors, Brianna Kearns, Spring 2010.
6. **Committee Member**, Do South Florida High Schools Meet American Heart Association and the National Athletic Trainers Association Recommendations for Prevention and Management of Sudden Cardiac Arrest? Amanda M. Goelz, Spring 2010.
7. **Committee Member**, Influence of an Unstable Fore-Foot Walking on the Power of the Knee Joint, Luis Javier Fernandez, Spring 2010.
8. **Committee Member**, Comparison of the Second Landing During a Stop Jump and Drop Vertical Jump Task
9. Implications for ACL Injury, Steven Capehart, Spring 2012.
10. **Committee Member**, The Effects of Obesity on the Joints of the Lower Extremity During a Series of Functional Tests, Amanda Ransom, Spring 2013.
11. **Committee Chair**, A Measure of Efficacy of the Y-Balance Test for Determining Scapular Dyskinesia, German A. Hall, Summer 2014.
12. **Committee Member**, Qualitative Versus Quantitative Intervention to Runners Gait Patterns: Heel Striking to Forefoot Striking, John Saxton, Summer 2015.
13. **Committee Member**, Short Term Hip Kinematic and Kinetic differences when Rearfoot Runners Change to Forefoot running, Roniqua Scott, Summer 2015.
14. **Committee Member**, The Effect of Fatigue on Acute Agility Performance, Sofia Jakobsson, Spring 2016.
15. **Committee Member**, Examining Coaches Implicit Theories of Achievement, Lindsay Nathan, Fall 2016.
16. **Committee Member**, Effects of Kinesio Taping and Ankle Taping on a Drop Landing Countermovement Jump, Salvatore Ferranti, Spring 2017.
17. **Committee Chair**, New and “Dead” Pointe Shoes of Elite Ballerinas: a Kinematic, Kinetic, and Electromyography Comparison, Jessica Aquino, Spring 2017.

18. **Committee Chair**, The Effect of Foam Rolling of the Hamstrings on Proprioception at the Knee Joint, Erin David, Spring 2017.
19. **Committee Member**, Relationship between BMI and Knee Joint Torques in Ergometer Rowing, Laura Schonbachler, Fall 2018.
20. **Committee Chair**, Anterior/Posterior Pelvic Rotation and performance, Maria Cristina Herrera, Spring 2019.
21. **Committee Chair**, Upper Quarter Y-Balance Test Modification for Older Adults, Terri Stroud, Spring 2019.
22. **Committee Chair**, Analysis of Critical Component for Success During Soccer Game in Division II Soccer Team, Maria Zamora, Spring 2020.
23. **Committee Member**, Predicting Firefighter's PAT from Anaerobic Fitness Parameters & MT Component, Peter Beitia, Spring 2020.

Mentorship

1. Jun. 2006 – Jun. 2007 University of Oregon, Eugene/OR
Yang Ximeng undergraduate student, Honor College Thesis
Scapular Behavior during Active Arm Elevation: 3_D Kinematic Tracking Study.
2. Sep. 2006 – Jun. 2007 University of Oregon, Eugene/OR
Keely Zodrow undergraduate student, Department of Human Physiology Honor Thesis
The Use of a Triaxial Accelerometer Assessing Shoulder Elevation Angles.
3. Jun. 2007 – Aug. 2007 University of Oregon, Eugene/OR
Claire Eduards undergraduate student, Smith College, SPUR
4. Sep. 2007 – Sep. 2008 University of Oregon, Eugene/OR
Mikey Latteri undergraduate student
Validating of a Triaxial Accelerometer to Estimate Elevation Angles in Dental Hygienists.
5. Jun. 2008 – Aug. 2008 University of Oregon, Eugene/OR
Mikey Acuna undergraduate student, California State University Chico, SPUR
6. Aug. 2008 – Apr. 2009 Bemidji State University, Bemidji/MN
Emily Brookshaw undergraduate student
The Correlation between Off-ice and On-ice Testing in Division I Women's Ice Hockey Players. Student Scholarship & Creative Achievement Conference. Bemidji, MN. April 8th, 2009.
7. Aug. 2010 – Apr. 2011 Barry University, Miami Shores/FL

Ziena Cline undergraduate student

Force Distribution in Legs During Vertical Jump for Division II Soccer Players. SES Research Colloquium. Miami Shores, FL. April 19th, 2011.

8. Aug. 2018 – Present Barry University, Miami Shores/FL
Ana P. Castillo undergraduate student
Differences in hip adduction and abduction ratio at two different angular velocities. The 11th STEM Symposium, Barry University Miami Shores, FL. April 5th 2019. **The student won the outstanding poster presentation award.**

Development of New Courses and Programs

Semester/year	Course number and title or Program title	Role
Fall/2019	SES 6XX – Advanced Strength and Conditioning	Developed a new graduate course
Spring /2018-19	Human Performance and Wellness Graduate Program	Assisted developing new program
Fall/2017	SES 6XX - Laboratory Techniques in Human Performance and Wellness	Assisted developing the course and co-teach it from Spring 2018
Summer/2015	on-line Medical Terminology Course	Assisted developing the course
Fall/2014	SES 367 - Principals of Personal Training	Assisted developing the course and teaching it from Fall 2014
Fall/2014	Applied Sport & Exercise Sciences (SESA)	Assisted with the development of the new program
Spring/2012	Physical Education & Coaching	Changed the Physical Education program to Physical Education & Coaching program

UNIVERSITY GOVERNANCE

Barry University

<i>Term of Service</i>	<i>Committee</i>
2019-Present	Provost PACE transition Sub-Committee
2019-Present	Co-Chair Welfare Committee
2019-Present	Faculty Senate -Senator

2017-2019	Faculty Rank & Promotion Committee
2015-2017	Grade Appeal Committee
2015-2016	Institutional Review Board
2014-2017	Co-Chair Ethics Committee
2014-2017	Faculty Senate -Senator
2012-2014	Faculty Handbook Committee
2010-2017	Student Judicial Review Board
2012-2014	Undergraduate Council
2012-2014	Faculty Senate Academic Affairs Committee
2010-2012	Ethics Committee
2009-2010	Communiqué Committee

College/School/Department/Program, Barry University

<i>Term of Service</i>	<i>Committee</i>
2019-Present	Department of SES Curricular Program Committee Chair
2017-Present	New Graduate Program Committee (HPW)
2017-Present	CNHS Faculty Search Committee
2011-Present	SES Scholarship Committee
2012-2014	New Undergraduate Program Committee (SESA)
2011-2013	SES Task Force for Teaching Peer Evaluation
2011-2013	Fun Fit Friday

2011-2012	CHAMPS
2010-2012	HPLS Dean Search Committee
2011-2011	SES Research Colloquium
2009-2010	Departmental Committee for the Viability of a New PhD Program

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

2010 – present	National Strength and Conditioning Association
2004 – present	American College of Sports Medicine
2011 – 2017	American Alliance for Health, Physical Education, Recreation and Dance Changed name to SHAPE America in 2014
2011 – 2015	National Association for Sport and Physical Education
2003 – 2010	International society of Biomechanics of Sports
2005 – 2009	American society of biomechanics

MEMBERSHIPS IN COMMUNITY ORGANIZATIONS

2019–present	Fort Lauderdale Take Steps Revenue Committee – Board Member Crohn's & Colitis Foundation South Florida
2013–present	Consortium for a Healthier Miami-Dade
2011-present	American Heart Association - You're the Cure Advocacy

PROFESSIONAL SERVICE

	Service to Professional Organizations
<i>Term of Service</i>	<i>Committee</i>

2019-Present	Supervisor/Advisor of Exercise is Medicine® on Campus (EIM-OC). The guiding principles of EIM, shared by the American College of Sports Medicine (ACSM) and other leading health and fitness organizations, are designed to improve the health and well-being of all nations through a regular physical activity prescription from doctors and other health care providers, or from a health and fitness professional working with the health care provider.
2018-Present	Reviewer South African Journal for Research in Sport, Physical Education and Recreation
2018-Present	Reviewer European Journal of Sport Science.
2018-Present	Faculty Evaluator American Council on Education The team assesses and validates whether the courses, occupations, or professional examinations have the appropriate content, scope, and rigor for college credit recommendations that may be eligible for academic transfer.
2015-2017	Invited External Examiner University of Pretoria Dissertation Committee
2015-Present	Editorial Board Member International Journal of Anatomy & Applied Physiology
2015-Present	Reviewer Journal of Biomechanics
2014-2015	Invited Editor SageOpen Journals
2012-Present	Reviewer Journal of Applied Biomechanics
2012-Present	Reviewer SageOpen Journals
2012-Present	Reviewer Journal of Applied Ergonomics
2011-Present	Editor Journal of Ergonomics
2011-Present	Editorial Board Member Journal of Ergonomics
2011-Present	Reviewer Journal of Ergonomics

<i>Term of Service</i>	<i>Book and Chapter Reviews</i>	<i>Publisher</i>
2017	Conditioning for Strength and Human Performance	Routledge

2016	Conditioning for Strength and Human Performance	Routledge
2013	Strength and Conditioning: A Biomechanical Approach	Jones and Bartlett Learning
2012	An Introduction to Exercise Science	Jones and Bartlett Learning
2010	ACSM Introduction to Exercise Science	Lippincott Williams and Wilkins
2009	Chapter 8: Plyometric Training Concepts for Performance Enhancement in NASM Essentials of Sports Performance Training	Lippincott Williams and Wilkins

Service to the Community

Term of Service

Committee

2019-Present Supervisor/Advisor of Exercise is Medicine® on Campus (EIM-OC). The guiding principles of EIM, shared by the American College of Sports Medicine (ACSM) and other leading health and fitness organizations, are designed to improve the health and well-being of all nations through a regular physical activity prescription from doctors and other health care providers, or from a health and fitness professional working with the health care provider.

2013-Present Worksite Wellness Committee

2013-Present Health Promotion and Disease Prevention Committee

Community Presentations

Physical Activity Workshop for Miami-Dade Area Community Health Workers in collaboration with the National Health Service Corps (NHSC). December 14th, 2012. Center for Haitian Studies located at 8260 NE 2nd Avenue, Miami, Florida.

HONORS AND AWARDS

2019 Barry University Innovation in Teaching Excellence Faculty Member Award Recipient

- 2006-2008 Graduate Research Fellowship, Labor Education and Research Center,
University of Oregon/USA
- 2004–2008 Graduate Teaching Fellowship, Department of Human Physiology,
University of Oregon/USA
- 2004–2008 Graduate Research Fellowship, Orthopaedic Biomechanics Laboratory,
University of Oregon/USA
- 1995 Dean's list , Zinman College at Wingate institute/Israel
- 1994 Dean's list , Zinman College at Wingate institute/Israel
- 1993 President’s Honor, Zinman College at Wingate institute/Israel