

CURRICULUM VITAE

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Western Michigan University
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Education:

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|-----------|---|
| 1998-2002 | University of Kansas, Lawrence
Doctorate (Ph.D.): Education; Department of Health, Sport, and Exercise Science
Area of specialization: Biomechanics of Human Movement |
| 1992-1994 | University of Kansas Medical Center, Kansas City, Kansas
Master of Science: Physical Therapy |
| 1990-1991 | University of Illinois at Urbana-Champaign
Doctoral student: Department of Kinesiology |
| 1987-1990 | Kansas State University, Manhattan, Kansas
Master of Science: Kinesiology
Area of concentration: Exercise and Sport Science |
| 1982-1987 | Indiana State University, Terre Haute, Indiana
Bachelor of Science: Physical Education
Area of concentration: Sport Studies (Exercise and Sport Science) |
| 1981-1982 | Minnesota State University Moorhead, Moorhead, Minnesota
Area of concentration: Undecided |

Licensure Information/Registration Number:

Kansas (License 11-02095, 1994-Present), Missouri (License 2001016003, 2001-2018), Indiana (License 05007967A, 2002-Present), Kentucky (License PT-006158, 2013-2019), Michigan (License 5501019605 2020-Present)

Employment and Positions Held:

Academic Appointments

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|-------------------|--|
| May 2017-Present | Professor – Doctor of Physical Therapy Department
Western Michigan University, Kalamazoo, MI |
| July 2012-Present | Associate Professor (tenured 2016) - Doctor of Physical Therapy Department
Western Kentucky University, Bowling Green, KY |

Jan 2007 - Associate Professor (tenured 2010) - Department of Physical Therapy Education
May 2012 Interim Associate Dean of Academic Affairs, School of Graduate and Professional Studies (August 2010-June 2011)
Rockhurst University, Kansas City, Missouri

July 2002 - Assistant Professor - Krannert School of Physical Therapy
Dec 2006 University of Indianapolis, Indianapolis, Indiana

Aug 2001 - Visiting Instructor – Department of Physical Therapy Education
Dec 2001 Rockhurst University, Kansas City, Missouri

Aug 1999 - Teaching Associate - Department of Physical Therapy Education
Dec 1999 University of Kansas Medical Center, Kansas City, Kansas

Aug 1990 - Graduate Teaching Associate – Department of Kinesiology
Aug 1991 University of Illinois at Urbana-Champaign

Aug 1987- Graduate Teaching Associate/Instructor - Department of Kinesiology
June 1990 Kansas State University, Manhattan, Kansas

Professional Appointments

Jan 2012- D-One Basketball Camps, Monticello, Indiana
Present Vice-President, Sport Science

Oct 2009- Liberty Hospital, Liberty, Missouri
June 2012 Physical Therapist

May 2000 - MotionWatch, L. L. C., Lenexa, Kansas
August 2001 Research Consultant

Dec 1995 - The Back Center, Overland Park, Kansas
July 1999 Senior Physical Therapist, September 1997-July 1999
Physical Therapist, December 1995-August 1997

Sept 1994 - University of Kansas Medical Center, Kansas City, Kansas
Dec 1995 Physical Therapist

June 1991 - Covenant Medical Center, Urbana, Illinois
Aug 1992 Unit Clerk

April 1987 – Indiana State University, Terre Haute, Indiana
Aug 1987 Research Assistant

Feb 1986 – Gibault School, Terre Haute, Indiana
June 1987 Coach/Child Care Worker

Peer-Reviewed Publications (Underline indicates PI):*Scientific journals*

Hoover DL, Killian CB, Tinius RA, Bellar DM, Wilkinson SG, Esslinger FT, Judge LW. Predictive validity of a functional movement screen in professional basketball players. *Medicina* 2020, 56 (12) 724: doi:10.3390/medicina56120724

Judge LW, Petersen JC, Hoover DL, Craig BW, Nordmann N, Schoeff MA, Fox BD, Dickin C, Bellar DM. A fraction of recommended practices: Implementation of the FIFA 11+ in NCAA soccer programs. *Medicina* 2020: 56 (9), 417; <https://doi.org/10.3390/medicina56090417>

Judge LW, Avedesian J, Bellar DM, Hoover DL, Craig BW, Langley J, Nordmann N, Schoeff M, Dicken C. Pre- and post-activity stretching practices of collegiate soccer coaches in the United States. *Int J Exerc Sci* 2020: 13(6): 260-272. Available at: <https://digitalcommons.wku.edu/ijes/vol13/iss6/5>

Navalta JW, Hoover DL, Salatto RW, Stone WJ, Lyons TS. Guidelines for reviewers: Topics in Exercise Science and Kinesiology. *Scholarsh Kinesiol* 2020: 1(2): Article 1. Available at: https://digitalscholarship.unlv.edu/scholarship_kin/vol1/iss2/1

Tinius RA, Blankenship MM, Furgal KE, Cade WT, Pearson KJ, Rowland NS, Pearson RC, Hoover DL, Maples JM. Metabolic flexibility is impaired in women who are pregnant and overweight/obese and related to insulin resistance and inflammation. *Metabolism* 2020: 104 154142 [Epub ahead of print] Available at: <https://doi.org/10.1016/j.metabol.2020.154142>

Tinius RA, Blankenship M, Maples JM, Pitts BC, Furgal K, Norris ES, Hoover DL, Alyssa Olenick A1, Cade WT. Validity of the 6-Minute Walk Test and YMCA Submaximal Cycle Test during Pregnancy. *J Strength Cond Res* 2019: 00(0): 1-7. [Epub ahead of print]. doi: 10.1519/JSC.00000000000003263

Judge LW, Tracy DR, Johnson JE, Hoover DL, Holtzclaw KA, Austin K, Harris T. Moving up and paying up: A case study of Western Kentucky University's move to the football bowl subdivision. *Physical Educator* 2019: 76(5): 1357-1386. <https://doi.org/10.18666/TPE-2019-V76-I5-8909>

Stinnett TB, Hoover DL, Canady LC, Lyons TS, Judge LW. Scholastic basketball facilities: A case study of schools within one Midwestern state. *Physical Educator* 2018: 75(4), 616-631. <https://doi.org/10.18666/TPE-2018-V75-I4-8268>

Judge LW, Hoover DL, Bellar DM. Balancing the imbalance: The training of a Paralympic F 44 discus thrower. *NSCA Coach* 2018: 5(3): 40-48.

Hurley KS, Blom LC, Flippin KJ, Bolin JH, Hoover DL, Judge LW. Strength training practices, perceived benefits, and barriers among college women. *Int J Exerc Sci* 2018: 11(5): 226-238.

VanWye WR, Hoover DL. Management of a patient's gait abnormality using smart phone technology in-clinic for improved qualitative analysis: A case report. *Physiother Theory Pract* 2018: 34(1) 1-8. DOI: 10.1080/09593985.2017.1419326

Keen K, Maples J, Cooley B, Olenick A, Blankenship M, Hoover D, Tinius R. The impact of an acute bout of high intensity exercise on mood among pregnant women. *Int J Womens Health Wellness* 2017; (3)2: 053. DOI: 10.23937/2474-1353/1510053

Hesse CM, Tinius RA, Cooley BJ, Olenick AA, Blankenship MM, Hoover DL, Maples JM. Assessment of endpoint criteria and perceived barriers during maximal cardiorespiratory fitness testing among pregnant women. *J Sports Med Phys Fitness* 2018; 58(12): 1844-51 DOI: 10.23736/S0022-4707.17.07750-7.

Bělka J, Hulka K, Machová I, Šafář M, Weissner R., Bellar DM, Hoover DL, Judge LW,. Effects of environmental context on physiological response during team handball small sided games. *Int J Exerc Sci* 2017; 10(8), 1263-1274.

Stone WJ, Arnett SW, Hoover DL. Lower extremity kinematics of ACL-repaired and non-injured females when using knee savers®. *Int J Sports Phys Ther*, 2017; 12(5): 737-746.

Hoover SJ, Winner SK, McCutchan HA, Beaudoin CC, Judge LW, Jones LM, Leitzlar B, Hoover DL. Mood and anxiety in high school basketball players: A pilot study. *Int J Exerc Sci*, 2017; 10(4): 604-618.

Leader C, Jones LM, Holtzclaw K, Hoover DL, Zupin D, Judge LW. Six Strategies for Positive Coaching: Putting Theory into Practical Application. *IAPHERD Journal*, 2016; 45(3), 28-33.

Mertz J, Hoover DL, Burke JM, Bellar DM, Leitzlar B, Judge LW. Ranking the greatest NBA players: A sport metrics analysis. *Int J Perf Analysis Sport* 2016; 16(3): 737-759.

Powers S, Zupin D, Gilreath EL, Hoover DL, Judge LW. An investigation of a moral dilemma in a Division I Intercollegiate Athletic Department: An unintended consequence of Title IX. *IAPHERD Journal*, 2016; 45(3), 22-27.

Holtzclaw K, Bonahoom S, Carroll M, Hoover DL, Zupin D, Judge LW. Coaching leadership styles: Making the case for positive coaching. *Indiana APHERD Journal*, 2016; 45(2): 23-27.

Judge LW, Bellar DM, Hoover DL, Biggs D, Leitzlar BN, Craig BW. Effects of acute androstenedione supplementation on testosterone levels in older men. *The Aging Male* 2016; Online: 1-7. DOI: 10.3109/13685538.2016.1167180

Judge LW, Urbina L, Hoover DL, Craig B, Judge LM Leitzlar B, Pearson D, Holtzclaw K, Bellar DM. The impact of competitive trait anxiety on collegiate powerlifting performance. *J Strength Cond Res* 2016; 30(9): 2399-2405. DOI: 10.1519/JSC.0000000000001363

Hoover DL, VanWye WR. Routine abdominal examination: A necessary step for primary care physical therapists. *J Nov Physiother*. 2015 5(5): 141-142. <http://dx.doi.org/10.4172/2165-7025.1000e141>.

Hoover DL, VanWye WR, Judge LW. Periodization and physical therapy: Bridging the gap between training and rehabilitation. *Phys Ther Sport* 2016; 18(1): 1-20. <http://dx.doi.org/10.1016/j.ptsp.2015.08.003>.

VanWye WR, Hoover DL, Willgruber S. Physical therapist screening and differential diagnosis for traumatic-onset elbow pain: a case report. *Physiother Theory Pract* 2016. 32(7): 556-65. DOI: 10.1080/09593985.2016.1219798.

Judge LW, Judge M, Bellar DM, Hunter I, Hoover DL, Broome R. The integration of sport science and coaching: A case study of an American junior record thrower in the hammer throw. *Int J Sports Sci Coach* 2016; 11(3), 422-435. DOI: 10.1177/1747954116645014.

Judge LW, Petersen JC, Lee D, Hoover DL, Bellar DM, Holtzclaw K. Marketing effectiveness of the Nanjing Youth Olympic Games: Implications for Physical Activity. *Physical Educator* 2016; 73(3) 600-617. <http://dx.doi.org/10.18666/TPE-2016-V73-I3-6496>.

Wanless, EA, Popp JK, Leitzelar B, Hoover DL, Dietz S, Judge LW. Stretching protocols of junior college football coaches. *IAPHERD Journal: Indiana Association for Health, Physical Education, Recreation, and Dance*. 2015; 44(1): 5-11.

Judge LW, Burke J, Patrick TJ, Guidry TD, Hoover DL, Wanless EA, Bellar D. Effects of wrist wraps on throwing distance in highly skilled shot put athletes. *Int J Perf Analysis Sport*. 2015, 15(1): 343-358.

Popp JK, Bellar DM, Hoover DL, Craig BW, Leitzelar BN, Wanless EA, Judge LW. Pre- and post-activity stretching practices of collegiate athletic trainers in the United States. *J Strength Cond Res* 2017, 31(9): 2347-2354. doi: 10.1519/JSC.0000000000000890

Judge LW, Petersen JA, Craig BW, Hoover DL, Holtzclaw KA, Leitzelar BN, Blake AS, Tyner MR, Hindawi OS, Bellar DM. Creatine usage and education of track and field throwers at NCAA Division I universities. *J Strength Cond Res* 2015, 29(7): 2034-2040. DOI 10.1519/JSC.0000000000000818.

Shepard MK, Hoover DL, Neelly KR. ACL Tears: Contributing Factors and Preventative Strategies for the Home Health Care Professional - Part 1. *Home Health Care Manag Pract* 2015, 27(1): 24-30. DOI: 10.1177/1084822314535087.

Shepard MK, Hoover DL, Neelly KR. ACL Tears: Contributing Factors and Preventative Strategies for the Home Health Care Professional - Part 2. *Home Health Care Manag Pract* 2015, 27(1): 31-35. DOI: 10.1177/1084822314535088.

McGraw SM, Hoover DL, Shirey MP. Exercise guidelines for patients with Parkinson's disease. An overview for the home healthcare professional. *Home Health Care Manag Pract*. 2014; 26(3): 168-175. DOI: 10.1177/1084822313514977

Wallmann HW, Christensen SD, Perry C, Hoover DL. The acute effects of various types of stretching static, dynamic, ballistic, and no stretch of the iliopsoas on 40-yard sprint times in recreational runners. *Int J Sports Phys Ther*. 2012; 7(5): 540-547.

Wallmann HW, Hoover DL. Research and Critical Thinking: An important link for exercise science students transitioning to physical therapy. *Int J Exerc Sci*. 2012; 5(2): 93-96.

Shirey M, Hurlbutt M, Johansen N, King GW, Wilkinson SG, Hoover DL. The influence of core muscular engagement on hip and knee kinematics in females during a single leg squat. *Int J Sports Phys Ther*. 2012; 7(1): 1-12.

Yuen WK, Schreiner SR, Hoover DL, Loudon JD, Billinger SA. Does the Friel Anaerobic Threshold Test Accurately Detect Heart Rate Deflection in Trained Cyclists? *Int J Exerc Sci* 2011; 4(3): 164-175.

Martin K, Hoover D, O'Brien J, Wagoner E, Evans T, Zeunik J, Wingler T. Development and reliability of an observational gait analysis tool for children with Down syndrome. *Ped Phys Ther*. 2009; 21(3): 261-268.

Hoover D, Domholdt E, Leland L, Kluver J, Malloy A. Exploring aftercare programs in outpatient physical therapy: A case series report. *Physiother Theory Pract*. 2009; 25(2): 99-128.

Hoover DL, Carlson KM, Christensen BK, Zebas CJ. Biomechanical analysis of women weightlifters during the snatch. *J Strength Cond Res*. 2006; 20(3): 627-633.

Textbook chapters

Hoover D, Ritzline P. The temporomandibular joint. In Levangie PK, Norkin CC (ed). *Joint Structure and Function: A Comprehensive Analysis (4th ed)*. Philadelphia, Pennsylvania: F. A. Davis; 2005:215-232.

Manuscripts Currently Under Review

Judge LW, Woodward SC, Gillham AD, Blom LC, Hoover DL, Schoeff MA, Burt TL, Bellar DM. Efficacy sources that predict leadership behaviors in coaches of athletes with disabilities. *J Hum Kinet* (In review).

Popp JK, Bellar DM, Hoover DL, Wallmann HW, Holtzclaw K, Judge LW. Hydration to maximize performance and recovery: Knowledge, attitudes, and behaviors among collegiate track and field throwers. *J Strength Cond Res* (In review).

Masserlink CE, Shuster LI, Morgan KA, Hoover DL. Retrospective chart review examining differences in recommended and delivered wheelchair equipment in a Midwestern dedicated seating department. *Arch Phys Med Rehabil* (In review).

Weir RL, Danilovich MK, Hoover DL. Review of the evidence of effective caregiver training with functional mobility tasks for patients with neurological diagnoses. *Disabil Rehabil* (In re-review).

Manuscripts in Final Preparation for Submission or Resubmission

Nelson RP, Dettmer JL, Hoover DL. Bilateral quadriceps tendon rupture. *JOSPT Cases* (In revision for re-review).

Barrett CA, Hoover DL. Multiple canal benign paroxysmal positional vertigo in an elderly patient with labyrinthine concussion: A case study. *Physiother Theory Pract*. (In revision for re-review).

Hoover DL, Stinnett TB, Lyons TS, Judge LW, Canady LC. An assessment of the administration, facilities, and support of scholastic basketball programs: A reliability study. *Int J Exerc Sci* (In revision for re-review).

Udhawani N, Hoover DL. Differential diagnosis of sternocleidomastoid syndrome versus Eagle syndrome: A case report. *Physiotherapy Theory Pract* (In final revision for submission)

Hoover DL, Bidwell CA, Knott SA, Parks SE, Revlett CA, Furgal KA, Arnett SW, Judge LW, Norris B. The effects of hot and cold immersion upon gross motor performance during cycling. *Eur J Appl Physiol*

Barrett CA, Hoover DL. The Post Concussion Symptom Scale may exhibit a ceiling effect in women with post concussion syndrome: A case series. *J Neurol Phys Ther*

Barrett CA, Hoover DL. Effects of physical therapy interventions and coupled with cognitive behavioral therapy in a teacher with post-concussion syndrome: A case report. *J Neurol Phys Ther*

Published Abstracts of Peer-Reviewed Presentations (National and International only):

Furgal KE, Sabic F, Tarighi MA, Siu K, Stinnett B, Norris B, Hoover DL. Development of a survey to assess pediatric physical activity within a Bosnian refugee community. *Ped Phys Ther*. 2020: 32(1): E32. DOI: 10.1097/PEP.0000000000000679

Weir RL, Danilovich M, Hoover DL. The effectiveness of caregiver training on mobility tasks for neurological patients: A systematic review. *Arch Phys Med Rehabil*: 2019: 100(12): e217-e218.

Barrett CA, Hoover DL. Multiple canal benign paroxysmal positional vertigo in an elderly patient with labyrinthine concussion: A case study. *Brain Inj*: 2019: 33 (S1): 179-180, DOI: 10.1080/02699052.2019.1608749.

Barrett CA, Hoover DL. The Post Concussion Symptom Scale may exhibit a ceiling effect in women with post concussion syndrome: A case series. *Brain Inj*: 2019: 2019: 33 (S1): 187-188, DOI: 10.1080/02699052.2019.1608749.

Hoover DL, O'Brien J, Arnett SW, Schafer MA, Judge LW, Norris B. Field testing equations for predicting maximal anaerobic power. *J Strength Cond Res*; 2019: 33(2): e132-133.

Judge LW, Bellar DM, Nordmann N, Avedesian J, Dickin C, Langley J, Hoover DL, Craig BM. Examination of stretching practices and perceptions of Division I and Division III college soccer programs in the United States. *J Strength Cond Res*; 2019: 32(2): e73-74.

Tinius R, Blankenship M, Cooley B, Olenick A, Hoover DL, Pearson KJ, Cade WT, Maples J. Impaired metabolic flexibility among obese pregnant women may lead to unfavorable metabolic outcomes. *Med Sci Sports Exer*; 2018: 50(5S): 221-222.

Hoover DL, Knott SA, Bidwell CA, Revlett CA, Parks SA, Webb DT, Judge LW, Norris E, Arnett SW. Power but not fatigue is influenced by hot and cold immersion prior to vigorous cycling. *Med Sci Sports Exer*; 2018: 50(5S): 337.

Bidwell CA, Hoover DL, Knott SA, Parks SE, Revlett CA, Webb DT, Norris E, Arnett S, Judge LW. The effects of heat and cold immersion on performance measures during the Wingate Anaerobic Test. *J Neurol Phys Ther*. 2018 43(1): S352.

Vondy R, Nobles C, Hoover DL, Arnett, SW. The effects of two different techniques on firefighter body-drag performance. *J Strength Cond Res*; 2017: 30(S1): S179.

Judge LW, Peterson J, Hoover DL, Craig BW, Jones LM, Gallien G, Bellar DM. The relationship between VO₂ max and self reported frequency and duration of exercise. *J Strength Cond Res*; 2017: 30(S1): S201-202.

Pearson RC, Winchester L, Olenick A, Johnson J, Shaker N, Blankenship M, Oregon E, Hoover D, Maples JM. Effects of an acute high fat load on peripheral blood mononuclear cell response among women. *FASEB J*; 2017: 31(1): S LB812.

Driskill M, Tinius RA, Hoover DL. A pregnancy-specific equation for predicting cardiorespiratory fitness. *Med Sci Sports Exer*; 2017: 49(5): S598.

Hoover DL, Bellar DM, Judge LW. A F44 paralympic track and field discus thrower: A case report. *Med Sci Sports Exer*; 2017: 49(5): S536.

Norris E, Hoover DL, Alvey K, Bowers A, Grothe J, Vincent E. The effect of temperature and experience on acute musculoskeletal and cardiovascular responses during yoga. *Med Sci Sports Exer*; 2017: 49(5): S280.

Olenick A, Pearson R, Shaker N, Tinius R, Blankenship M, Oregon E, Hoover D, Maples J. Metabolic flexibility among women in response to a single high fat meal. *Med Sci Sports Exer*; 2017: 49(5): S865.

Tinius RA, Maples J, Blankenship M, Cooley B, Olenick A, Fickey H, Hoover D, Cade WT. The YMCA submaximal cycle test and the 6-Minute Walk Test are not accurate predictors of cardiorespiratory fitness during mid-pregnancy. *Med Sci Sports Exer*; 2017: 49(5): S596.

Hoover DL, VanWye WR, Branstetter ML. Malignant ovarian tumor in a tennis pro: A case report. *Med Sci Sports Exer*. 2016: 48(5): S648-649.

Judge LW, Bělka J, Hulka K, Machová I, Šafář M, Weissner R, Hoover DL. Effects of environmental context on physiological response during team handball small sided games. *Med Sci Sports Exer*. 2016: 48(5): S89.

VanWye WR, Hoover DL, Judge LW. Fitness walker with sciatica: Application of periodization theory in clinical care. *Med Sci Sports Exer*. 2016: 48(5): S504.

Schafer MA, Hoover DL, Wright J, Reece M, Crandall KJ, Olenick A, Brown J. Effects of sitting, standing, and walking upon physiological measures during a traditional college lecture. *Med Sci Sports Exer*. 2016: 48(5): S928.

Zagsduren B, Maples JM, Lyons S, Hoover DL. Sex differences in relative contribution of lean mass and fat mass on bone mineral density. *Med Sci Sports Exer*. 2016: 48(5): S388-389.

Branstetter ML, VanWye WR, Hoover DL. Should physical therapist students be taught to regularly perform abdominal examinations? A case report. *Phys Ther*. 2016: 96(5): Available at: <http://aptaapps.apta.org/abstracts/>.

Steenbergen KI, Norris E, Arnett SW, Hoover DL. Fall injury prevention needs assessment in rural adults. *Phys Ther*. 2016: 96(5): Available at: <http://aptaapps.apta.org/abstracts/>.

VanWye WR, Hoover DL. Advances in qualitative motion analysis: Management of a patient's gait abnormality after triple arthrodesis using smart phone technology. *Phys Ther*. 2016: 96(5): Available at: <http://aptaapps.apta.org/abstracts/>.

VanWye WR, Pinerola J, Hoover DL. Physical therapist diagnosis of a global nerve injury presenting as knee pain following dilation and curettage. A case report. *Phys Ther*. 2016; 96(5): Available at: <http://aptaapps.apta.org/abstracts/>.

VanWye WR, Hoover DL. Systematic review on the effect of rollator walker on improving functional exercise capacity in patients with COPD. *Cardiopulm Phys Ther J*; 2016; 27(1): 26-27.

VanWye WR, Hoover DL. Development of evidenced-based criteria for issuing rollator walkers. *J Geri Phys Ther*; 2016; 39(2): E51.

Judge LW, Peterson JA, Hoover DL, Craig BW, Bellar DM. School size, rural location, and coach certification impacts upon high school strength facilities. *J Strength Cond Res*; 2016; 30(S1): S159-160.

Popp JK, Bellar DM, Hoover DL, Marcus M, Judge LW. Organizational obstacles and barriers to the implementation of pre- and post-activity protocols by athletic trainers. *J Strength Cond Res*; 2016; 30(S1): S62-63.

Norris B, McMullen RS, Weatherholt WT, Arnett SW, Judge LW, Schafer MA, Hoover DL. Cross-country cycling does not significantly affect bone mineral density measures. *J Strength Cond Res*; 2016; 30(S1): S155.

Judge LW, Bellar DM, Norris B, McMullen RS, Weatherholt WT, Arnett SA, Schafer MA, Hoover DL. Novice cyclists show improved aerobic fitness measures following ride across United States. *J Strength Cond Res*; 2016; 30(S1): S22-23.

Arnett SW, Norris B, Weatherholt WT, McMullen RS, Judge LW, Schafer MA, Hoover DL. Ratings of perceived exertion lessened following bike ride across America. *J Strength Cond Res*; 2016; 30(S1): S23.

Perkins BE, Schafer MA, Hoover DL. "Preparing a student with paraplegia for Health Fitness SpecialistSM Certification: functional capacity evaluation and accommodation. *Med Sci Sports Exer*. 2015; 47(5): S367.

Weatherholt WT, McMullen RS, Inman CF, Schafer MA, Hoover DL. Bone mineral density not significantly changed by cycling across the United States. *Med Sci Sports Exer*. 2015; 47(5): S622.

McMullen RS, Weatherholt WT, Inman CF, Schafer MA, Hoover DL. $\text{VO}_{2\text{Max}}$ and time to volitional failure improved following bike ride across the United States. *Med Sci Sports Exer*. 2015; 47(5): S884.

Anderson AE, Goutsis DK, Hall TL, Crawford MA, Hoover DL. Whole body vibration affects gross motor performance measures during the Wingate Anaerobic Test. *Physiother*, 2015; 101(S1); e76-e77. DOI:10.1016/j.physio.2015.03.203.

Goutsis DK, Hall TL, Anderson AE, Crawford MA, Hoover DL. Measures of power but not fatigue are influenced by whole body vibration prior to vigorous cycling. *Physiother*, 2015; 101(S1); e474-e475. DOI:10.1016/j.physio.2015.03.3265.

Fortney BP, McReynolds LE, Muse TJ, Neelly CT, VanWye WR, Hoover DL. Neither dynamic warm-up nor static stretching affect measures of power and fatigue during vigorous cycling among women. *Physiother*, 2015; 101(S1); e400. DOI:10.1016/j.physio.2015.03.628.

Hoover DL, VanWye WR, Crawford MA. An open source, technological approach to embedding practicing clinicians into DPT student research projects. *Physiother*, 2015: 101(S1): e587-e588. DOI:10.1016/j.physio.2015.03.3412

Gaiko SA, Volpenhein PK, Arnett SW, Hoover DL. The effects of static stretching on measures of gross motor coordination during vigorous cycling. *Proceedings of the International Society of Biomechanics Conference*, 2014, 32(1): 574-577. Retrieved from <https://ojs.ub.uni-konstanz.de/cpa/article/view/6023/5504>.

Volpenhein PK, Gaiko SA, Arnett SW, Hoover DL. Static stretching does not affect measures of power and fatigue during vigorous cycling among women. *Proceedings of the International Society of Biomechanics Conference*, 2014, 32(1): 757-760. Retrieved from <https://ojs.ub.uni-konstanz.de/cpa/article/view/6093/5573>.

Stone WJ, Walker E, Moad R, Emberton T, Hoover DL, Arnett SW. The effects of an ergonomic device on sagittal plane lower extremity motion during a full squat in ACL-repaired and non-injured females. *Proceedings of the International Society of Biomechanics Conference*, 2014, 32(1): 459-462. Retrieved from <https://ojs.ub.uni-konstanz.de/cpa/article/view/5960/5442>.

Stone WJ, Walker E, Moad R, Emberton T, Hoover DL, Arnett SW. Frontal plane knee motion of ACL-injured and non-injured females when using Knee Savers®. *Proceedings of the International Society of Biomechanics Conference*, 2014, 32(1): 550-553. Retrieved from <https://ojs.ub.uni-konstanz.de/cpa/article/view/5959/5441>.

Hoover DL, Schafer MA, Evans B, Besser T, Finn D, O'Neill A. Static stretching does not affect ratings of perceived exertion during a graded cycling test. *Med Sci Sports Exer*. 2014; 46(5): S528.

Schafer MA, Sobrero GL, Arnett SW, Lyons TS, Navalta JW, Stone WJ, Bean SD, Crandall J, Maples J, Hoover DL. Performance indicators in ROTC cadets After 12 weeks of training that included CrossFit. *Med Sci Sports Exer*. 2014. 46(5): S93.

Bonnel D, Craig P, Eiberger E, Fletcher B, Gregory H, Arnett SW, Hoover DL. Gross motor coordination patterns while cycling do not differ with knee bracing. *J Neurol Phys Ther*. 2013; 38 (1): 89-90.

Gregory H, Fletcher B, Eiberger E, Craig P, Bonnel D, Arnett SW, Hoover DL. Measures of power and fatigue index are not influenced by knee bracing during vigorous cycling. *J Orthop Sports Phys Ther*. 2014; 44(1): A171.

Besser T, Evans B, Finn D, O'Neill A, Schafer M, Hoover DL. The effects of static stretching on metabolic efficiency during a graded cycling test. *Med Sci Sports Exer*: 2013: 45(5): S428.

Finn D, Besser T, O'Neill A, Evans B, Schafer M, Hoover DL. Static stretching does not affect VO2 max or time to volitional failure during graded cycling. *Med Sci Sports Exer*: 2013: 45(5): S114.

O'Neill A, Finn D, Evans B, Besser T, Schafer M, Hoover DL. The effects of static stretching on gross motor coordination during a graded cycling test. *Med Sci Sports Exer*: 2013: 45(5): S583.

Van Wye WR, Hoover DL. Forearm pain – recreational softball player. *Med Sci Sports Exer*: 2013: 45(5): S16.

Hoover DL, Lemon B, Rolf J, Schleeper A, Stoppel B, Carlson N, Karlson J. Power and fatigue index differ between sitting and standing during the Wingate test in women. *Med Sci Sports Exer*. 2012; 44(5): S385.

Carlson N, Karlson J, Lemon B, Rolf J, Schleeper A, Stoppel B, Hoover DL. Gross motor coordination patterns differ between seated and standing cycling. *J Neurol Phys Ther*. 2011; 35(4): S126.

Shirey M, Hurlbutt M, Johansen N, King GW, Wilkinson SG, Hoover D. Influence of core musculature engagement on knee kinematics of females during a single leg squat. *Med Sci Sports Exer*. 2011; 43(5): S344.

Hoover D, Archer E, Farney C, Fisher A, Jurens J, Liesen J, Wiltz J. The effects of attentional focus and environmental interference on measures of gross motor performance while cycling. *J Neurol Phys Ther*. 2010; 34(4): S108.

Hoover D, Miller E, Novak J, Rohyans S, Rosswurm M, Weigle M. The effects of core stability training on low back pain and performance in a competitive cyclist. *J Orthop Sports Phys Ther*. 2010; 40(1): A99.

Hoover D, Cinotto J, Harshman H, Stansberry D, Woodworth S. The concurrent validity of goniometry and 3-D motion analysis for assessing pelvic motion during the “bent knee fallout” test. *J Orthop Sports Phys Ther*. 2010; 40(1): A77-78.

Crawford M, Eichenberger G, Rauch H, Wainscott M, Sturgill W, Hoover D. The effects of carbohydrate supplementation on gross motor control during prolonged aerobic exercise. *J Neurol Phys Ther*. 2009; 33(4): S99.

Wainscott M, Rauch H, Eichenberger G, Crawford M, Sturgill W, Hoover D. Effects of carbohydrate supplementation on cognitive measures during prolonged aerobic exercise. *J Neurol Phys Ther*. 2009; 33(4): S100.

Hiebert J, Hoover D, Connelly A, Hollis J, Marlow J, Schneider N. Effects of footwear and grade conditions on pedometer accuracy. *J Strength Cond Res*; 2009; 23(6): E20.

Hiebert J, Hoover D, Best MA, Black AB, Hruska RK, Jones ME. The effect of different pedal types on maximal oxygen consumption and lactic acid accumulation. *J Strength Cond Res*; 2009; 23(6): E20.

Wilfong E, Fredrick M, Krings K, Hoover D. Time of day does not affect measures of performance while cycling. *Med Sci Sports Exer*. 2009; 41(5): S547.

Krings K, Wilfong E, Frederick M, Hoover D. The effect of workload on measures of gross motor performance while cycling. *Med Sci Sports Exer*. 2009; 41(5): S462.

Frederick M, Krings K, Wilfong E, Hoover D. Concurrent validity of the OMNI scale of perceived exertion during cycling. *Med Sci Sports Exer*. 2009; 41(5): S122.

Martin K, Hoover D, O’Brien J, Wagoner E, Evans T, Zeunik J, Wingler T. Development and reliability of an observational gait analysis tool for children with Down syndrome. *Ped Phys Ther*. 2009; 21(1):92-93.

Martin K, Hoover D, Holsopple E, Brink J, Weston K, O'Brien K. A comparison of two types of orthoses for children with Down syndrome. A case series report. *Phys Ther*. 2008; 88(5).

Hoover D, Killian C, Bourcier B, Lewis S, Martin R, Thomas J. Predictive validity of the functional movement screen in a population of recreational runners training for the 2006 Indianapolis mini-marathon. *Med Sci Sports Exer*. 2008; 40(5): S219.

Cotton RA, Killian CB, Hoover DL, Ross MD. The prediction of functional outcomes in patients with non-surgical shoulder pathology. *J Orthop Sports Phys Ther*. 2008; 38(1): A55-56.

Hoover D, Miller EW, Combs S, Martin K, Kelly SP. "The ministry of novel skills": A unique approach to teaching motor learning principles to physiotherapy students. *Physiother*, 2007: 93(S1); S770.

Hoover DL, Zebas CJ, Frye BB, Loudon JK, Liu W. The concurrent validity of abdominal strength measures using the Sahrmann model and a B-200 isoinertial device. *Phys Ther*. 2005; 85(5).

Hoover D, Domholdt E, Gregory L, Kluver J, Malloy A. Exploring aftercare programs in outpatient orthopedic physical therapy: A case series report. *Phys Ther*. 2005; 85(5).

Hoover DL, Zebas CJ, Frye BB, Loudon JK, Liu W. Methodological note: A new approach to the bent-knee fallout. *Phys Ther*. 2004; 84(5).

Steffens T, Taylor J, Hoover D, Hiebert J. Percent body fat in female athletes: A comparison of two bioelectrical impedance machines to skinfold calipers. *J Strength Cond Res*; 2003; 17(4): S14.

Nelson M, Theis J, Camblin J, Hiebert J, Hoover D. Power test performance in professional firefighters: A comparison of vertical jump and medicine ball throw. *J Strength Cond Res*; 2003; 17(4): S12.

Hoover D, Carlson K, Kuhn M, Zebas C. Power output during the 1st and 2nd pull phases in the snatch by women weightlifters. *Proceedings of the International Society of Biomechanics Conference*, 2001, 19(1): 133-135. Retrieved from <https://ojs.ub.uni-konstanz.de/cpa/article/view/3794/3514>.

Carlson K, Hoover D, Kuhn M, Zebas C. (2001). Kinematic analysis of the bar drop displacement in the snatch. *Proceedings of the International Society of Biomechanics Conference*, 2001, 19(1): 126-128. Retrieved from <https://ojs.ub.uni-konstanz.de/cpa/article/view/3792/3512>.

Kuhn M, Carlson K, Hoover D, Zebas C. Horizontal bar displacements of women weightlifters during the snatch. *Proceedings of the International Society of Biomechanics Conference*, 2001, 19(1): 136-138. Retrieved from <https://ojs.ub.uni-konstanz.de/cpa/article/view/3795/3515>.

Hoover DL, Rich DJ, Stoker ML, Wheeler SM, Jenkins WJ. Concentric and eccentric isokinetic force-velocity differences in trained and untrained males. *J Orthop Sports Phys Ther*. 1995; 21(1): 70-71.

Abstracts (that were not presented)

-none-

Non-Peer Reviewed Publications:

-none-

Peer Reviewed Scientific and Professional Presentations (not previously cited above):

Webb DT, Hoover DL. Use of emerging drone technology for improved qualitative analysis in sports medicine: A case report. Combined Sections Meeting of the American Physical Therapy Association, Washington, DC (February 2018).

Jackson YD, Yatsik J, Hoover DL. An exploration of inter-professional education involving physical therapist assistant and nursing students. Combined Sections Meeting of the American Physical Therapy Association, Washington, DC (February 2018).

Jackson Y, Yastik J, Hoover DL. Inter-professional education for physical therapist assistant and nursing students: A case study. 2018 Midwest Interprofessional Practice, Education, and Research Center, Grand Valley State University, Allendale, Michigan (September 20-21, 2018).

Hesse C, Tinius R, Cooley B, Olenick A, Blankenship M, Hoover D, Maples J. Secondary criteria for VO_{2max} testing among pregnant women. Annual Meeting of the Southeast Section of the American College of Sports Medicine. Greenville, South Carolina (February, 2017).

Stone WJ, Schafer MA, Arnett SW, Lyons TS, Sobrero GE, Hoover DL, Maples J, Crandall J. Post-exercise hypotension following concurrent exercise. Annual Meeting of the Southeast Section of the American College of Sports Medicine. Jacksonville, Florida (February, 2015).

Judge LW, Hoover DL. Balancing the Imbalance: A Case Study of Paralympic Track and Field F44 Discus Thrower Jeremy Campbell. 2015 National Coaching Conference. The United States Coaching Education Coalition. Morgantown, West Virginia (June, 2015)

Deckard LR, Hoover DL, Arnett SW, Esslinger KA. Motor behavior for the youth basketball coach: scientific review and practical application. Meeting of the Southern District of American Alliance for Health, Physical Education, Recreation and Dance. Lexington, Kentucky. (February, 2014).

Steenbergen KI, Arnett SW, Hoover DL. Assessment of rural older adults needs for fall injury prevention education. Meeting of the Kentucky Physical Therapy Association. Lexington, Kentucky. (September, 2013).

Steenbergen KI, Arnett SW, Hoover DL. Fall injury prevention needs assessment in rural adults: A pilot study. Meeting of the Kentucky Rural Health Association. (September, 2013).

Hoover DL, Wilkinson SG. Digital video facilitates qualitative motion analysis in DPT students. Combined Sections Meeting of the American Physical Therapy Association, San Diego, California. (January 2013).

Hoover DL, Dockins J, McKiernan BJ. The integrated DPT/MBA dual degree program – A novel method for facilitating healthcare leadership skills in physical therapy students. Combined Sections Meeting of the American Physical Therapy Association, San Diego, California. (January 2013).

McKiernan BJ, Hoover DL. "A multi-level, multi-modal model for assessing student performance during practical examinations. Combined Sections Meeting of the American Physical Therapy Association. Chicago, Illinois. (February, 2012).

Wisdom CM, Hoover DL. The philosophy of care assignment- A novel method for facilitating metacognition in physical therapy students. Combined Sections Meeting of the American Physical Therapy Association. Chicago, Illinois. (February, 2012).

VanWye WR, Jones KM, Hoover DL. Physical therapy management of a patient's gait abnormality using smart phone technology for improved qualitative gait analysis. Combined Sections Meeting of the American Physical Therapy Association. Chicago, Illinois. (February, 2012).

Hoover D. Using digital video to improve skills in qualitative motion analysis. Combined Sections Meeting of the American Physical Therapy Association. New Orleans, Louisiana. (February, 2011).

Dronberger J, Hensley J, Hoover D. A novel evaluation model for assessing student comprehension and psychomotor performance using a multi-station laboratory format. Combined Sections Meeting of the American Physical Therapy Association. New Orleans, Louisiana. (February, 2011).

Schreiner SR, Yuen WK, Hoover D, Billinger SA, Loudon JD. Effects of hand position on stationary cycling motor performance during graded exercise testing. Annual Meeting of the Central States Chapter of the ACSM. Columbia, MO. (November, 2009).

Yuen WK, Schreiner SR, Billinger SA, Hoover D, Loudon JD. Validity of the Friel anaerobic threshold test in trained cyclists. Annual Meeting of the Central States Chapter of the ACSM. Columbia, MO. (November, 2009).

Presentations Currently Under Review (Underline indicates PI):

Non-Peer Reviewed Presentations:

Hoover DL. Administration, facilities and support of scholastic basketball programs: Assessing strategies for partnership with high school strength and conditioning coaches. Indiana NSCA State Clinic, Indianapolis, IN: November 3rd, 2018

Hoover DL. Monitoring external demands and internal responses in basketball players: Integrating sport science into contemporary training. Indiana NSCA State Clinic, Indianapolis, IN: November 4th, 2017.

Hoover DL. Understanding the Physiology of the Complex Injury: An Approach to Return to Play (Keynote speaker). 3rd Annual Northeast Indiana Sports Medicine Symposium, Fort Wayne, IN: March 26, 2017.

Arnett SW, Hoover DL. Using Video to Conduct Qualitative and Quantitative Analyses. Indiana NSCA State Clinic, Evansville, IN: November 6th, 2016.

Hoover DL. Periodization for the Young Athlete: Bridging the Gap Between Training and Rehabilitation. Children's Mercy Hospital, 6th Annual Young Athlete Conference, Kansas City, MO: April 1, 2016.

Hoover DL. Basic Strategies to Improve Your Qualitative Motion Analysis. Children's Mercy Hospital, 6th Annual Young Athlete Conference, Kansas City, MO: April 1, 2016.

Judge LW and Hoover DL. Training High Performance Athletes with a Disability: Balancing the Imbalance. NSCA Great Lakes Regional Conference, Muncie, IN: November 14, 2015.

Hoover DL. Balance Training and Fall Prevention Among Older Adults. Indiana NSCA State Clinic, Muncie, IN: November 8th, 2014.

Hoover DL. Better Basketball Through Sport Science: Theory into Application. Continuing Education, Hoosier Basketball Coaches Association Fall Meeting, Bloomington, IN: September 27, 2013.

Hoover DL, Willgruber S, Van Wye WR. Patient Screening & Differential Diagnosis for Non-Musculoskeletal Elbow Pain. Continuing Education, Kentucky Physical Therapy Association, Western District Meeting, Bowling Green, KY: July 16, 2013.

Hoover DL. The Jump Shot: A Sport Science Perspective. Continuing Education, Indiana Coaches of Girls Sports Association, Annual Conference, Plainfield, IN; February 24, 2013.

Hoover DL. Physical Therapy: A Moving Profession. Invited speaker, Gatton Academy, Bowling Green, KY; October 17, 2012.

Hoover DL. Fundamentals of Gait Analysis. Continuing Education, Liberty Hospital, Liberty, MO; July 26&28, 2011

Hoover DL. Pharmacology for Physical Therapists. Continuing Education, Annual Physical Therapy Clinical Update, Krannert School of Physical Therapy. University of Indianapolis; June 7, 2006

Hoover DL. Introduction to Physical Therapy Evaluation of the Spine. Invited Speaker, Department of Physical Medicine and Rehabilitation, IU Medical School; .August 15, 2005

Hoover DL. Spinal Stabilization in Clinical Practice: Theory and Implementation. Invited Speaker, Department of Physical Medicine and Rehabilitation, IU Medical School; August 15, 2005

Hoover DL. Work Injury Prevention and Rehabilitation. Invited Speaker, Department of Physical Medicine and Rehabilitation, Indiana University Medical School; August 1, 2005

Hoover DL. Function 101: Functional Capacity Evaluations and Work Conditioning Programs. Invited Speaker, Department of Physical Medicine and Rehabilitation, IU Medical School; August 1, 2005

Hoover DL. Qualitative Gait Analysis. Invited Speaker, Department of Physical Medicine and Rehabilitation, IU Medical School; January 3, 2005

Hoover DL. The Biomechanics of Gait Analysis. Invited Speaker, Department of Physical Medicine and Rehabilitation, Indiana University Medical School; December 13, 2004

Hoover DL. "Just a Spoke in the Wheel": The Role of Biomechanics in the Movement Sciences. Invited Speaker, Kinesiology Department, Wheaton College; November 3, 2004

Hoover DL. Niche Practices in Physical Therapy. Invited Speaker, Department of Physical Therapy Education, University of Kansas Medical Center; March 18, 2002

Hoover DL. Work Conditioning. PHTH 861: Advanced Evaluation Methods & Principles of Treatment of Musculoskeletal Disorders. Department of Physical Therapy Education, University of Kansas Medical Center; Presented this topic 3 times, September 1997-1998, 2001

Hoover DL. Work Injury Prevention and Rehabilitation. Invited Speaker, PHTH 804: Professional Topics III. Department of Physical Therapy Education, University of Kansas Medical Center; Presented this topic 5 times, March 1998-2002

Hoover DL. The Spine. Invited Speaker, HSES 802: Injury Prevention in Exercise and Sport. Department of Health, Sport, and Exercise Science, University of Kansas; April 10, 2000

Hoover DL. Focus on Function: Fibromyalgia, Rehabilitation, and the Workplace. Continuing Education. The 22nd Annual Carroll P. Hungate Postgraduate Seminar on Occupational and Environmental Health, Great Plains College of Occupational and Environmental Medicine; March 5, 1999

Hoover DL. The Role of Cardiovascular Assessment and Exercise Prescription in the Comprehensive Rehabilitation of Work Related Injuries. Continuing Education, Occupational Nurses Health Forum, Mid America Rehabilitation Hospital; April 21, 1998

Hoover DL. Thoracic Outlet Syndrome: A Physical Therapy Perspective. Continuing Education, Occupational Nurses Health Forum, Mid America Rehabilitation Hospital; November 6, 1997

Grant Activity:

Judge LW, Blom LC, Gerstein LH, Bellar DM, Hoover DL, Peterson JC, Hawkins BJ, Whitley MA, Wanless EA. (Co-Investigator)

\$1,700,000.00 (Not Funded)

The Sports Visitor and Sports Envoy Program: Globalization and Understanding through Sport. September 2017-March 2019

Department of State, US Federal Government

Tinius RA (PI), Maples JM, Hoover DL, Blankenship M (Co-Investigator)

\$15,484.00

Physical Activity During Pregnancy: Novel Pathways for Improving Maternal and Neonatal Outcomes May 15, 2016-12/15/2017; Office of Sponsored Programs, Research & Creative Activities Program (RCAP), WKU

Norris BA (PI), Hoover DL (Co-Investigator)

\$7699.00 (NOT FUNDED)

The effects of an 8 week hot yoga program on physical performance, physiological responses, mindfulness and perceived stress.

May 15, 2016-12/15/2017; Office of Sponsored Programs, Research & Creative Activities Program (RCAP), WKU

Tinius RA (PI), Maples JM, Hoover DL, Blankenship M (Co-Investigator)

\$108,434.00 (Total Direct Costs)

Physical Activity During Pregnancy: Novel Pathways and Intervention Strategies for Improving Maternal and Neonatal Outcomes

May 1, 2016-4/30/2018; Kentucky Biomedical Research Infrastructure Network (KBRIN)

Stinnett B, Hoover DL. (Supervising Investigator)

\$4000.00

An assessment of scholastic basketball training facilities: Size, equipment, and management.

March 2015; CHHS Faculty Research Scholarship Grant Program, WKU.

McMullen R, Hoover DL. (Supervising Investigator)

\$4500.00

Monitoring of overtraining status: Assessment of physiological variables in novice cyclists engaged in a ride across the United States.

November 2013; Faculty-Undergraduate Student Engagement (FUSE) Grant, WKU

Neelly CW, Hoover DL. (Supervising Investigator)

\$4500.00

The effects of dynamic warm-up on measures of gross motor coordination during vigorous physical activity.

November 2013; Faculty-Undergraduate Student Engagement (FUSE) Grant, WKU

Weatherholt WT, Hoover DL. (Supervising Investigator)

\$4500.00

Monitoring of overtraining status: Assessment of psychological variables in novice cyclists engaged in a ride across the United States.

November 2013; Faculty-Undergraduate Student Engagement (FUSE) Grant, WKU

Gaiko S, Volpenhein P, Hoover DL (Supervising Investigator)

\$5900.00

The Effects of Static Stretching on Measures of Gross Motor Coordination during Vigorous Physical Activity

December 2012; Faculty-Undergraduate Student Engagement (FUSE) Grant, WKU

Hoover DL (Primary Investigator)

\$480.00

The Effects of Fatigue, Position, and Functional Knee Bracing on Gross Motor Coordination Measures during the Wingate Anaerobic Test

July 2011; funded by Mueller Sports Medicine

Hoover DL (Primary Investigator)

\$15,600.00

Effect of Static Stretching on Energy Cost and Motor Function when Cycling

June 2011; Senior Investigator Grant, funded by NSCA Foundation Research Grants

Vacek K, McKiernan BJ, Hoover DL (Co-Primary Investigator)

\$50,000.00

Occupational and Physical Therapy Function and Mobility Laboratory

June 2011; funded by the McGee Foundation

Hoover DL (Primary Investigator)

\$5850.00

Integrating 2D Motion Analysis into a DPT Curriculum

June 2009; funded by Dartfish, in-kind educational grant

Hoover DL (Primary Investigator)

\$240.00

The Effects of Carbohydrate Supplementation on Measures of Cognitive Function and Neuromuscular Efficiency During Prolonged Cycling

June 2008; funded by Nestle, PowerBar® Endurance Refuel product grant

Hoover DL (Primary Investigator)

\$22,500.00

3D Motion Analysis for Human Performance Laboratory

April 2008; funded by Ariel Dynamics, in-kind education and research software grant

McKiernan BJ, Hoover DL, Kohia M (Co-Primary Investigator)

\$50,000.00

Human Performance Laboratory

January 2008; funded by the McGee Foundation

Hoover DL (Primary Investigator)

\$26,000.00

Movement Science Laboratory: Integration of New Faculty into this Initiative

April 2006; funded by the Eli Lilly Foundation via the IQ Collaborative, University of Indianapolis

Hoover DL (Primary Investigator)

\$700.00

Cycling rollers with high speed, increased inertia flywheel

April 2006; funded by CycleDyne LLC, in kind equipment grant

Hoover DL (Primary Investigator)

\$1500.00 (NOT FUNDED)

Instructional Technologies Course Development Pilot Grant

November 2005; submitted to Independent Colleges of Indiana

Hoover DL (Primary Investigator)

\$269.00

Cycling rollers

October 2005; funded by SportCrafters LLC, in kind equipment grant

Hoover D, Whalen R, Domholdt E, Rundquist P (Co-Primary Investigator)

\$17,500.00

Movement Science Laboratory: Faculty Support and Computer Implementation

May 2005; funded by the Eli Lilly Foundation via the IQ Collaborative, University of Indianapolis

Domholdt E, Hoover D, Whalen R, Rundquist P (Co-Primary Investigator)

\$52,400.00

Movement Science Laboratory

Dec 2004; funded by the Eli Lilly Foundation via the IQ Collaborative, University of Indianapolis

Hoover DL (Primary Investigator)

\$10,000.00

Movement Science Laboratory

June 2004; funded by Ariel Dynamics, in-kind education and research software grant

Other Scholarly Products

-none-

Research Activity (Not noted above):

Barrett CA, Hoover DL. Effects of physical therapy and cognitive based therapy interventions on a female teacher with concussion. A case report. The 13th World Congress on Brain Injury, Toronto, ON, Canada (March 2019).

Barrett CA, Hoover DL. Non-athlete and non-military adults with post-concussion syndrome in outpatient physical therapy: A case series. The 13th World Congress on Brain Injury, Toronto, ON, Canada (March 2019).

Masselink CE, Shuster LI, Hoover DL. Trends in wheelchair recommendations in a dedicated seating department. PhD dissertation committee member.

Hoover DL, Brown B, Cravens M, Hughes G. Effect of flexibility on performance measures and neuromuscular properties in high school basketball players.

Hoover DL, Ding MH, Smith G. Sport Science knowledge and use by high school basketball coaches.

Hoover DL, Acheson A, Siu K, Phelps D. The validation of bioimpedance analysis as a means of assessing body composition.

Hoover DL, Sabic F, Tarighi M, Stevanovic Z, Judge LW. Bosnians, basketball, and the Bluegrass state: Knowledge, attitudes, and beliefs about youth sport participation within an immigrant community

Hoover, DL, Parks S, Revlett C. The Effects of Functional Lower Extremity Strength on Wingate Anaerobic Test Performance in Women.

Hoover DL, Bidwell CA, Knott SK. The Effects of Cold and Heat on Motor Control Patterns during Cycling.

Deckard LR, Hoover DL, Arnett SW. Motor Control: Theory and Practical Application for the Youth Basketball Coach. Ongoing.

Continuing Education Workshops Organized:

-none-

Membership in Scientific/Professional Organizations:

1992-Present	American Physical Therapy Association Kentucky Chapter of the APTA (2012-Present) Kansas Chapter of the APTA (1992-2002, 2006-present) Indiana Chapter of the APTA (2002-2006) Sports Section of the APTA (1992-present) Education Section of the APTA (2007-present) Health Policy & Administration Section of the APTA (2010-Present)
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1987-1991, 1992-Present	National Strength & Conditioning Association (NSCA)
1988-Present	North American Society for Sport History (NAASH)
2000-Present	American College of Sports Medicine (ACSM)
2000-present	International Society of Biomechanics in Sports (ISBS)

Consultative and Advisory Positions Held:

-none-

Editorial and Review Activities:

2015-Present	<i>International Journal of Exercise Science (Associate Editor)</i>
2012-Present	<i>International Journal of Exercise Science (Editorial Board)</i>
2011-Present	<i>Journal of Novel Physiotherapies (Editorial Board)</i>
2017-Present	<i>European Journal of Physical and Rehabilitation Medicine (Reviewer)</i>
2014-Present	<i>Home Health Care Management and Practice (Reviewer)</i>
2014-Present	<i>APTA Education Leadership Conference (Reviewer)</i>
2014-Present	<i>Physical Therapy in Sport (Reviewer)</i>
2013-Present	<i>British Journal of Sports Medicine (Reviewer)</i>
2013-Present	<i>International Journal of Sports Physical Therapy (Reviewer)</i>
2011-Present	<i>Journal of Sports Sciences (Reviewer)</i>
2010-Present	<i>International Journal of Exercise Science (Reviewer)</i>
2009-Present	<i>Medicine & Science in Sports & Exercise (Reviewer)</i>
2006-Present	<i>Journal of Sports Science and Medicine (Reviewer)</i>

Community & Professional Service:

2017-Present	Assistant Varsity Basketball Coach, Blackford County High School, Hartford City, IN
2017	Youth Basketball Coach, Hoosier Hills Basketball Winter League, Jeffersonville, IN
2016	Youth Basketball Coach, Pocket City Basketball Fall League, Evansville, IN
2015-2018	Professional advisor to students presenting in regional science fair (Qualified Scientist), Heritage Hills High School, Lincoln City, IN
2015-2017	Member, Board of Directors, Southern Kentucky Youth Basketball League, Bowling Green Parks and Recreation, Bowling Green, KY
2015-2016	5 th Grade Basketball Coach, Heritage Hills South, Lincoln City, IN
2014-2015	Youth Basketball Coach, Bowling Green Parks and Recreation, Bowling Green, KY
2013-2014	Youth Basketball Coach, South Warren Basketball League, Bowling Green, KY
2012	Youth Basketball Coach, Blue Valley Recreation League, Overland Park, KS

2011-2012	Cultural Transformation Consultation Group, APTA Academic Council
2011-2012	Advisory Committee, Excellence Task Force, APTA Academic Council
2011-2012	Youth Basketball Coach, Blue Valley Recreation League, Overland Park, KS
2010	Candidate for Nominating Committee, APTA Academic Council (not elected)
2010-2012	Rockhurst University, Institutional Representative (elected) American Council of Academic Physical Therapy
2010	Youth Basketball Coach, KC Premiere Basketball League, Overland Park, KS
2009	US Army Medical Specialists Educators Tour, Fort Sam Houston, San Antonio, TX
2008	Consultant, Feldhausen & Schoenlaub, P.C. Case review and expert testimony in the legal case: Maximus v Mowry/PRA v Huston Challa
2007-2012	Pro Bono Physical Therapy Clinic, Kansas City Free Health Clinic
2003-2006	Pro bono provision of physical therapy care to University of Indianapolis students
2006	“Preventing Running Related Injuries”, Invited speaker, Run Hounds Run, Mini-Marathon Preparation Program
2005	“The Value of Working with a Physical Therapist in Weight Management/Obesity?” Invited speaker, “Colts Up Close” Television Show
2005	“The Role of Stretching Exercise in Preventing and Rehabilitating Injuries” Invited speaker, “Colts Up Close” Television Show
2005	“The Movement Science Laboratory – Bridging the Gap between Medical Science and Clinical Practice” Invited speaker, “Colts Up Close” Television Show
2003	Senior Fitness Screening Clinic, Baxter YMCA, Indianapolis, Indiana
1995-1999	Site Coordinator for Clinical Education, The Back Center
1999	Participant, On-Site Visit for Commission on Accreditation in Physical Therapy Education (CAPTE), Department of Physical Therapy Education, University of Kansas
2000-2002	Church Council, Broadway United Methodist Church, Kansas City, Missouri
1994	Volunteer, 14 th National Veterans Wheelchair Games
1981-1987	Indiana Army National Guard

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

University Service

Western Michigan University

2018-Present, Faculty Senate (elected, 3 year term)

Western Kentucky University

2015-Present Senate Executive Committee, Ad-Hoc Research Committee (Alternate)

2013-2015 Review Board, Research & Creative Activities Program (RCAP)

2013-2014, Faculty Senate (elected, 2 year term)
2015-2017

Rockhurst University

2010-2012 Self-Study Writing Team, Criterion 4 Committee
Higher Learning Commission of the North Central Association

2011-2012 Academic Affairs Committee to the Board of Trustees (Elected)

2010-2012 Committee on Rockhurst Assessment (CORA)

2010-2011 Academic Affairs Council
Graduate Curriculum Committee
Undergraduate Curriculum Committee
Selection Committee, Rockhurst University Teaching Excellence Award

2007-2012 Editorial Board, Rockhurst University Press

2009 Faculty Retreat for Mission and Ministry of Rockhurst University

2007-2008 New Faculty Mentoring Program, Center for Teaching Excellence, Rockhurst University

University of Indianapolis

2003-2006 University of Indianapolis Faculty Committee Pool

2002 “Education for Service” Faculty Retreat, University of Indianapolis

2002-2003 New Faculty Committee, University of Indianapolis

School and Departmental Service

Western Michigan University

2017-Present CHHS Interprofessional Education Committee

2018- Present CHHS Curriculum Committee

2017-Present	Chair, Research Committee, DPT Department
2017-Present	Chair, Curriculum Committee, DPT Department
2017-2018	Chair, Search Committee, DPT Faculty Position 8
2017-2018	Chair, Search Committee, DPT Faculty Position 7
2017-2018	Chair, Search Committee, DPT Faculty Position 6
2017-2018	Chair, Search Committee, DPT Faculty Position 5
2017-2018	Chair, Search Committee, DPT Faculty Position 4
2017-2018	Search Committee, DPT Administrative Assistant
2017-2018	Search Committee, Director of Clinical Education

Western Kentucky University

2016-2017	Teaching Effectiveness Subcommittee, CHHS Dean's Internal Advisory Committee (Co-Chair)
2014-2017	CHHS Dean's Internal Advisory Committee
2014-2017	CHHS Research Liaison
2014-2016	Advisor, DPT Class of 2016 (elected)
2014-2017	DPT Program, Research Committee
2015-2016	Chair, Search Committee, DPT Faculty Position 8
2014-2015	Search Committee, DPT Faculty Position 7
2013-2017	DPT Program, Academic Review Committee (Chair)
2013-2014	Search Committee, DPT Faculty Position 5
2013-2014	Search Committee, DPT Faculty Position 6
2012-2013	Search Committee, KRS Faculty Position 997445
2012-2013	Search Committee, KRS Faculty Position Phase 2
2012-Present	DPT Program, Admissions Committee
2012-2017	DPT Program, Self-Study Committee
2012-2017	DPT Program, Curriculum Committee

2012-2014 DPT Program, Program Planning Committee

2012 CAPTE Self-Study Workshop

Rockhurst University

2010-2011 Dean's Cabinet, School of Graduate and Professional Studies

2010-2011 Chairs and Directors Council, School of Graduate and Professional Studies

2010-2011 Chair, Faculty Search Committee, Department of Physical Therapy Education

2009-2010 Chair, Faculty Development Self-Study, School of Graduate and Professional Studies

2009-2010 Search Committee, Founding Director of Criminal Justice Program

2011-2012 Assessment Committee, Department of Physical Therapy Education

2011-2012 Chair, Faculty Development Committee, Department of Physical Therapy Education

2008-2011 Chair, Scholarship Development Committee, Department of Physical Therapy Education

2007-2009 Lead implementation of Grant from McGee Foundation, Resources for physical therapy faculty development and teaching excellence

2007-2012 Graduate Student Recruitment: Graduate Student Open House (various), Presentation at Avila University ("The Profession of Physical Therapy"), Central States section meeting of the ACSM

2007-2011 Curriculum Committee, Department of Physical Therapy Education

2008-2009 Faculty Search Committee, Department of Occupational Therapy Education

2007-2008 Faculty Search Committee, Department of Education

University of Indianapolis

2006 Curriculum Committee, Krannert School of Physical Therapy

2005-2006 Chair, Faculty Search Committee, Krannert School of Physical Therapy

2004-2006 Lead Implementation of Grants from Eli Lilly Foundation, Resources for physical therapy faculty development and teaching excellence

2003-2006 Research and Scholarship Development Committee, Krannert School of Physical Therapy

2003-2005 Social and Student Activities Committee, Krannert School of Physical Therapy (2003-2005)

2004 Evaluation of Clinical Affiliation Sites, Krannert School of Physical Therapy

University of Kansas Medical Center

1992-1994 Student-Faculty Liaison, KU Physical Therapy Education Department

University of Illinois

1990-1991 Selection Committee, H. E. Kenney Memorial Scholarship, University of Illinois

Honors and Awards:

2015 Nominee, CHHS Faculty Research Award

2014 Nominee, CHHS Faculty Research Award

2009 Teacher of the Year, Department of Physical Therapy Education, Rockhurst University

2006 Invited Speaker, Commencement Banquet, Krannert School of Physical Therapy Doctor Physical Therapy, Class of 2006 (voted on by students)

2005 Scientific Poster Award, “Tour of Posters”, APTA Annual Meeting, Boston, MA

2005 Invited Speaker, Commencement Banquet, Krannert School of Physical Therapy Doctor Physical Therapy, Class of 2005 (voted on by students)

2000-2001 Mary Oyster O’Guin Memorial Scholarship for Doctoral Students, University of Kansas

1988 Outstanding Graduate Student Award, Department of Kinesiology– Kansas State University

Continuing Education Attended (last 5 years only):

Nov 3, 2017 Search Committee Implicit Bias Training, Human Resources Department, Western Michigan University

Aug 31, 2016-
Nov 27, 2016 Medical Neuroscience, Leonard White, Duke University, Durham NC (Coursera)

May 18, 2016 “Neuroplasticity and the Developing Brain: New Treatment Strategies”. Cross Country Education, Nashville, TN

February 3, 2014 “Establishing a Running Clinic: More Than a Treadmill and a Camera”, Sports Physical Therapy Section, Las Vegas, NV

April 11, 2013 “Evidence Based Sports Enhancement Programs”, Cross Country Education, Louisville, KY

Oct 2-3, 2012	“Physical Therapy Self-Study Workshop”, American Physical Therapy Association, Greenwich, CT
Feb 7-8, 2012	“Lead Wherever You Are: Becoming a Personal Leader” APTA Health Policy & Administration Section, Chicago, IL
Aug 13, 2011	“Rebuilding the Athlete”, Vern Gambetta, MA, Rebound Physical Therapy, Topeka, KS
Nov 13-14, 2009	“Human Performance Symposium”, SUNY Cortland/ DartfishVideo Solutions, Cortland, NY
Jun 13-14, 2009	“Understand and Explain Pain”, Lorimer Moseley, PhD, B.App.Sc.(Phty) (Hons), International Spine & Pain Institute, Kansas City, MO
Sep 7-9, 2007	“NPTE Workshop for Faculty”, The Federation of State Boards of Physical Therapy, Memphis, TN
Apr 21-22, 2007	“Movement Impairment Syndromes of the Low Back and Hip”, Shirley Sahrmann, PT, PhD, FAPTA, Missouri Physical Therapy Association Spring Conference, Kansas City, MO
Mar 24-25, 2007	“Myokinematic Restoration”, Ron Hruska, MPA, PT and James Anderson, MPT, PRC, Postural Restoration Institute, Kansas City, MO
Jul 27-30, 2006	“Faculty Development Workshop”, American Physical Therapy Association, Indiana University –Purdue University Indianapolis, Indianapolis, IN

Professional Conferences Attended (last 5 years only):

APTA Education Leadership Conference	2009-2015
Combined Section Meeting (CSM) of the APTA	2003, 2010-2014, 2016, 2018
Annual Conference & Exposition of the APTA	2004-2005, 2008, 2016
World Confederation of Physical Therapy	2007, 2015
Annual Meeting of the ACSM	2003-2004, 2008-2009, 2011-2018
Integrative Physiology of Exercise (ACSM)	2006
National Conference of the NSCA	1999, 2003, 2018
Midwest Interprofessional Practice, Education, and Research Center Conference	2018

Content Areas of Teaching Expertise (Instructor of Record):

Foundational Sciences:

Physiology, Pathophysiology, Physiology of Exercise, Physiology of Health and Fitness, Physiology of Human Performance, Pharmacology, Biomechanics, Tissue Mechanics and Pathomechanics, Functional Kinesiology, Motor Control, Motor Learning, Motor Development, Neurophysiology, Neuroanatomy, and Research Methods

Application in Clinical, Health Promotion, and Athletic Populations:

Physical Therapy Evaluation Methods
 Medical Screening and Differential Diagnosis
 Physical Therapy Evaluation and Management of Musculoskeletal Disorders
 Clinical Decision Making
 Industrial Rehabilitation and Workers' Compensation Systems
 Manual Therapy
 Ergonomics and worksite evaluation
 Exercise Testing and Prescription in Clinical Populations
 Therapeutic Exercise Prescription
 Periodization in Human Performance and Rehabilitation
 Exercise Prescription in Highly Functioning Athletic Populations
 Therapeutic Physical Agents
 Electrotherapeutic Agents
 Foundations of Physical Fitness
 Health Promotion and Wellness
 History of Physical Activity, Physical Education, and Sport
 Adapted Physical Education
 Lifetime Sports and Fitness Activity courses

Courses taught at Western Kentucky University (Instructor of Record):

<i>Number</i>	<i>Title</i>	<i>Times Taught</i>	<i>Credit/Contact Hrs</i>
EXS 311	Exercise Physiology	2	3 Credit/3 Contact
EXS 412	Exercise Testing & Prescription	1	4 Credit/7 Contact

Guest lectures in 122 (Foundations of Kinesiology)

Teaching Responsibilities in the WKU Entry-Level Doctor of Physical Therapy Program:

<i>Number</i>	<i>Title</i>	<i>Times Taught</i>	<i>Credit/Contact Hrs</i>
DPT 726	Orthopaedic Foundations	4	3 Credit/6 Contact
DPT 728	Clinical Exercise Physiology	4	2 Credit/7 Contact
DPT 736	Neuroanatomy	1	3 Credit/3 Contact
DPT 737	Neurophysiology	4	3 Credit/3 Contact
DPT 738	Motor Control	4	2 Credit/6 Contact
DPT 784	Research in Physical Therapy IV	3	1 Credit/Variable

Guest lectures in DPT 775 (Screening for Referral)

Courses taught at Rockhurst University (Instructor of Record):

<i>Number</i>	<i>Title</i>	<i>Times Taught</i>	<i>Credit/Contact Hrs</i>
PT 5120	Clinical Physiology	1	3 Credit/5 Contact
PT 6112	Exercise Physiology	1	3 Credit/3 Contact
PT 6116	Biomechanics/Kinesiology	2	3 Credit/3 Contact
PT 6124	Movement Science I	3	3 Credit/3 Contact
PT 6126	Movement Science I Lab	6	.5 Credit/1.5 Contact
PT 6322	Movement Science II	3	2 Credit/2 Contact
PT 6324	Movement Science II Lab	6	.5 Credit/1.5 Contact
PT 6421	Clinical Decision Making II	2	.5 Credit/.5 Contact
PT 6503	Research III	5	.5 Credit/1 Contact
PT 7300	Clinical Procedures II	6	2 Credit/2 Contact
PT 7302	Clinical Procedures II Lab	12	1 Credit/3 Contact
PT 7312	PT Musculoskeletal Conditions I	1	3 Credit/3 Contact
PT 7314	PT Musculoskeletal Conditions I Lab	4	1 Credit/3 Contact
PT 7431	Clinical Decision Making III	2	.5 Credit/.5 Contact
PT 7505	Research IV	5	1 Credit/1 Contact
PT 8505	Research V	5	1 Credit/1 Contact
FS 1100	Freshman Seminar in Science	1	1 Credit/1 Contact
SSC 3300	Kinesiological Concepts	2	3 Credit/3 Contact
SSC 3500	Introduction to Exercise Physiology	2	3 Credit/3 Contact

Courses taught at University of Indianapolis (Instructor of Record):

<i>Number</i>	<i>Title</i>	<i>Times Taught</i>	<i>Credit/Contact Hrs</i>
PT 534	Clin Ex Physiology & Cardio PT	1	3 Credit/3 Contact
PT 538	Journal Club Seminar	1	1 Credit/1 Contact
PT 611	Movement Science I	5	2 Credit/2 Contact
PT 612	Clinical Medicine I	5	5 Credit/4 Contact
PT 614	Inquiry I	2	1 Credit/1 Contact
PT 622	Clinical Medicine II	4	4 Credit/4 Contact
PT 627	Clinical Seminar II	2	1 Credit/1 Contact
PT 628	Generic Interventions I	4	3 Credit/3 Contact
PT 634	Inquiry III	4	1 Credit/1 Contact
PT 637	Clinical Skills Assessment	2	1 Credit/1 Contact
PT 638	Generic Interventions II	1	4 Credit/3 Contact
PT 644	Inquiry IV	4	1 Credit/1 Contact
PT 652	PT Cardiopulmonary Conditions	3	4 Credit/4 Contact
PT 654	Inquiry V	4	1 Credit/1 Contact
PT 664	Inquiry VI	4	1 Credit/1 Contact
PT 681	Musculoskeletal Conditions III	3	3 Credit/1 Contact
PT 684	Inquiry VII	4	1 Credit/1 Contact

Courses taught at University of Kansas Medical Center (Instructor of Record):

<i>Number</i>	<i>Title</i>	<i>Times Taught</i>	<i>Credit/Contact Hrs</i>
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PHTH 861 Advanced Musculoskeletal Disorders 1 4 Credit/6 Contact

Courses taught at University of Illinois (Instructor of Record):

<i>Number</i>	<i>Title</i>	<i>Times Taught</i>	<i>Credit/Contact Hrs</i>
KINES 100C	Weight Training	3	1 Credit/2 Contact
KINES 100Z	Advanced Weight Training	2	1 Credit/2 Contact
KINES 102	Bowling	4	1 Credit/2 Contact
KINES 109	Basketball	2	1 Credit/2 Contact

Courses taught at University of Kansas State University (Instructor of Record):

<i>Number</i>	<i>Title</i>	<i>Times Taught</i>	<i>Credit/Contact Hrs</i>
PE 101	Foundations of Fitness	12	1 Credit/2 Contact
PE 120	Basketball	6	1 Credit/2 Contact
PE 161	Fitness & Conditioning	2	1 Credit/2 Contact
PE 163	Weight Training	12	1 Credit/2 Contact
PE 325	History & Philosophy of Physical Education	1	3 Credit/3 Contact

Last updated:11-Jan-21