Duane Knudson, Ph.D., FNAK, FISBS, FACSM, RFSA
Regents' and University Distinguished Professor
Department of Health & Human Performance
Texas State University
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August 10, 2026

EDUCATION

University of Wisconsin—Madison
Department of Physical Education and Dance
Ph.D. in Biomechanics 1988
Advisor: Elizabeth M. Roberts, Ph.D.
"An Analysis of Grip Forces and Three-Dimensional Accelerations in the Tennis Forehand Drive"
Distributed minor (Anatomy & Engineering)

Baylor University
Department of Health, Physical Education and Recreation
M.S. in Education 1984

University of Wisconsin-Oshkosh
Department of Health, Physical Education and Recreation
B.S. in Education 1983 *Summa cum Laude*

EMPLOYMENT

Texas State University
Regents' and University Distinguished Professor, 2020-present
Professor, Department of Health & Human Performance 2009-2020
Chair, Department of Health & Human Performance, 2009-2017
California State University, Chico
Associate Dean, College of Communication & Education 2005-2009
Department of Kinesiology
Interim Chair, Department of Kinesiology 2007-2009
Associate Chair, Department of Kinesiology 2001-2005
Professor, August 2004-2009
Associate Professor, August 2000 - July 2004
Assistant Professor, August 1997 - July 2000
Baylor University, Department of Health, Human Performance, and Recreation

Assistant Professor, Aug. 1994 - Aug. 1997, Tenured April 1997
Lecturer, August 1984-1994 (1985-1988 three-year leave of absence for Ph.D.)
Teaching graduate and undergraduate courses in biomechanics, statistics, kinesiology.
University of Wisconsin—Madison, Department of Physical Education and Dance
Teaching Assistant, 1985-1988
Taught graduate and undergraduate biomechanics labs and physical education activity classes.
Baylor University, Department of Health, Physical Education, and Recreation
Teaching Assistant, 1983-1984
Taught physical education activity classes.

HONORS/AWARDS

2026 "Presidential Distinction Award in Scholarly/Creative Activity" *Texas State University*
2025 "Presidential Distinction Award in Scholarly/Creative Activity" *Texas State University*
2024 "Presidential Distinction Award in Scholarly/Creative Activity" *Texas State University*
2023-2025 "World's Top 2% Career Scientist List" *Stanford/Elsevier*-sports science subfield
2022-2025 "Highly Ranked Scholar" 1st to 5th in biomechanics prior 5 years and lifetime ranking by *ScholarGPS*
2021 "Presidential Excellence Award for Service" *Texas State University*
2020 "Regents' Professor" *Texas State University System*
2020 "University Distinguished Professor" *Texas State University*
2020 "College Achievement Award for Service" College of Education *Texas State University*
2020 "Alumni Teaching Award of Honor" *Texas State University*
2019 "Fellow" National Academy of Kinesiology #588
2019 "Presidential Distinction Award for Service" *Texas State University*
2019 "SHAPE America Scholar Award" Research Council, *SHAPE America*
2018 "Presidential Excellence Award for Scholarly/Creative Activities" *Texas State University*
2017 "SHAPE America Southern District Scholar" *SDAAHPERD*
2017 "Jerry R. Thomas AKA Distinguished Leadership Award"—Master's Institutions
2016 "TAHPERD Scholar" *TAHPERD*
2016 "Life Member" *International Society of Biomechanics in Sports*
2016 35th "Dudley Allen Sargent Lecturer" *NAHKE*
2011 "Ruth B. Glassow Biomechanics Honor Award" *NASPE*
2010 "Southeast ACSM Scholar" *SEACSM*
2007 "Fellow" *International Society of Biomechanics in Sports*
2005 "Professional Achievement Honor" *California State University, Chico*
2003 "Fellow" *American College of Sports Medicine*
1999 "Fellow" *AAHPERD Research Consortium* now *SHAPE America*
1994 "Outstanding Young Alumni Award" *University of Wisconsin-Oshkosh*
1993 Fellow, Summer Teaching Institute, *Baylor University*

1993 "Outstanding Alumni Award" Department of HPER, *University of Wisconsin-Oshkosh*
1980-83 *Summa cum Laude* graduate *UW-Oshkosh*: All semesters Dean's List or Honors

MEMBERSHIPS

Fellow, National Academy of Kinesiology	2019 to present
American Society of Biomechanics (ASB)	1986 to 2025
American College of Sports Medicine (ACSM), Fellow	1990 to 2020
International Society of Biomechanics in Sports (ISBS), Fellow	1991 to present
AAHPERD (SHAPE America)—Research Consortium Fellow	1985 to 2019
TAHPERD (1988 to 1997)	2009 to 2019
NAKHE	2016 to present
Phi Kappa Phi, *Texas State University* Chapter	2013 to 2018
Member & Sponsor *Phi Epsilon Kappa*, Zeta Phi Chapter	2008 to 2009

SCHOLARSHIP (Surname in *Italics* indicates current or former student author)

Refereed Journal Articles (164)

Knudson, D. Citations to kinesiology journals from mega-journals according to Journal Citation Reports. *Quest*, In review.

Knudson, D. (2026). Breadth and influence of seven years of articles published in the International Journal of Racket Sports Science. *International Journal of Racket Sports Science*, In review.

Knudson, D. (2026). Variation in bibliometric database and citation metrics in the interdisciplinary field of sports medicine. *Current Issues in Sport Science*, In review.

Knudson, D. (2026). Scholarly influence of recently inducted National Academy of Kinesiology fellows. *Kinesiology Review*, In review.

Knudson, D. (2026). Influential scholarship on learning biomechanics. *Educational Practices in Kinesiology*, In review.

Knudson, D. (2026). Influential tennis medicine and science researchers. *ITF Coaching & Sport Science Review*, In review.

Knudson, D. (2026). Recent increase in usage and prestige of Biology of Sport. *Biology of Sport*, In review.

Swaim, E., Rodriguez, K., **Knudson, D**., Li, Y., & Koldenhoven, R. M. (2026). Walking kinematics, kinetics, and muscle activation with and without femoroacetabular impingement. *Hip International*, In review.

Tate, J. J., Wassinger, C. A., Powers, C. M., Willy, R. W., Wilson, J. D., Levangie P. K. . . . . **Knudson, D**. **V.**, Thomas, S. J., Hewett T. E., Shanley, E., McClure, P. W., Sabus, C. H., (2026). Core content related to teaching biomechanical aspects of human movement for physical therapist students: a modified Delphi study. *Journal of Physical Therapy Education*, doi:10.1097/JTE.0000000000000483

Knudson, D. (2026). Prestige of kinesiology journals across general subject area using google scholar metrics. *Journal of Kinesiology & Wellness*, In review.

Knudson, D. (2026). Scholarly influence of English-language biomechanics books. *Kinesiology Review*, accepted.

Knudson, D. (2026). Properties of kinesiology-related journals according to Cabells Journalytics not apparent in other journal metrics. *Quest*, *78*(4), accepted. doi:10.1080/00336297.2025.2603938

Knudson, D. (2026). Bibliometrics of Measurement in Physical Education and Exercise Science over the last twenty-five years. *Measurement in Physical Education and Exercise Science*, *30*(3), 320-331. doi:10.1080/1091367X.2026.2621420

Knudson, D. (2026). The growth and influence of scholarship of teaching and learning publications. *International Journal for the Scholarship of Teaching and Learning*, *20*(1), Article 2. https://doi.org/10.20429/ijsotl.2025.200102

Knudson, D. (2025). Citation metric misuse, interpretive ambiguity, and interdisciplinary complexity—the case in biomechanics journals. *Journal of Information Science Theory and Practice*, *13*(4), 58-68. doi:10.1633/JISTaP.2025.13.4.4

Chang, K-L., Tang, W-Z., Tai, M-L., **Knudson, D.**, & Huang, T-Y. (2025). Influence of lower limb asymmetry on the two-handed backhand stroke in female tennis players. *Sports Biomechanics, 24*(9), 2733-2749. doi:10.1080/14763141.2025.2511762

Breen, S., & **Knudson, D**. (2025). International survey of faculty teaching undergraduate introductory biomechanics. *Sports Biomechanics, 24*(2), 327-340. doi:10.1080/14763141.2022.2110933

Knudson, D. (2025). When should stretching be programmed into physical education lessons? *Journal of Physical Education, Recreation and Dance*, *96*(5), 37-43. doi:10.1080/07303084.2025.2463899

Knudson, D. (2025). Use of sports as a label in Google Scholar Profiles, *Journal of Kinesiology & Wellness*, *14*(1), 1-6. https://jkw.wskw.org/index.php/jkw/article/view/147

Knudson, D. (2025). Indexing and influence of Biomedical Human Kinetics. *Biomedical Human Kinetics*, *17*(2), 90-97. doi:10.2478/bhk-2025-0009

Knudson, D. (2025). Confirming increased statistical errors in testing correlations from small sample sizes. *Measurement in Physical Education and Exercise Science*, *29*(2), 191-197. doi:10.1080/1091367X.2024.2439295

Knudson, D. (2025). Influence of the first decade of the *Athens Journal of Sports*. *Athens Journal of Sports*, *12*(1), 9-18. doi:10.30958/ajspo.12-1-1

Knudson, D. (2025). Interdisciplinary kinesiology curricula: Sixth grade band or symphony orchestra? *Kinesiology Review*, *14*(1), 17-22. doi:10.1123/kr.2024-0059

Knudson, D. (2024). Center of mass change in the biomechanics citation network. *Sports Biomechanics*, *23*(12), 3257-3267. doi:10.1080/14763141.2023.2287030

Knudson, D. (2024). Scopus citation metrics for top and bottom quintile kinesiology-related journals. *International Journal of Kinesiology in Higher Education, 8*(4), 343-354. doi:10.1080/24711616.2024.2416184

Knudson, D. (2024). Are there meaningful prestige estimates of kinesiology-related journals? *Measurement in Physical Education and Exercise Science*, *28*(4), 316-337. doi:10.1080/1091367X.2024.2341849

Myers, N.L., Farnsworth, J.L., Kennedy, S.M., & **Knudson, D**.**V.** (2024). Musculoskeletal adaptations in advanced tennis players: A systematic review. *Sports Health*, *16*(6), 931-937. doi:10.1177/19417381231223540

Knudson, D. (2024). Influential literature in tennis medicine and science. *ITF Coaching & Sport Science Review*, *32*(92), 24-29. doi:10.52383/itfcoaching.v33i92.489

Keogh, J. W. L., Moro, C., & **Knudson, D**. (2024) Promoting learning of biomechanical concepts with game-based activities. [Editorial] *Sports Biomechanics, 23*(3), 253-261. doi:10.1080/14763141.2020.1845470

Knudson, D., Mahar, M., & Myers, N. (2024). The National Academy of Kinesiology 2023 evaluation of doctoral programs in kinesiology. *Kinesiology Review*, *13*(1), 135-154. doi:10.1123/kr.2023-0069

Knudson, D., Cardinal, B., & McCullagh, P. (2024). Synthesis of publication metrics in kinesiology-related journals: Proxies for rigor, usage, and prestige. *Quest*, *76*(1), 93-112. doi:10.1080/00336297.2023.2237150

Knudson, D. V., & *Burson, G. K*. (2024) Influence of the International Journal of Exercise Science. *International Journal of Exercise Science*, *17*(2), 265-273.

Wallace, B., & **Knudson, D.** (2024). The effect of course format on student learning in introductory biomechanics courses that utilise low-tech active learning exercises. *Sports Biomechanics*, *23*(2), 156-165. doi:10.1080/14763141.2020.1830163

Knudson, D. (2023). Publication metrics and subject categories of biomechanics journals. *Journal of Information Science Theory and Practice*, *11*(4), 40-50. doi:10.1633/JISTaP.2023.11.4.3

Knudson, D. (2023). A tale of two instructional experiences: Student engagement in active learning and emergency remote learning of biomechanics. *Sports Biomechanics*, *22*(11), 1485-1495. doi:10.1080/14763141.2020.1810306

Knudson, D. (2023). *Kinesiology Review's* scholarly influence: An audit of its first decade. *Kinesiology Review*, *12*(3), 181-186. doi:10.1123/kr.2023-0014

Knudson, D. (2023). Influence of 1986-2020 ARCAA articles in sports coaching science. *Applied Research in Coaching and Athletics Annual*, *38*, 1-18.

Knudson, D. (2023). Top *Google Scholar* citations to kinesiology-related terms. *International Journal of Kinesiology in Higher Education*, *7*(2), 122-129. doi:10.1080/24711616.2022.2111284

Knudson, D. (2023). Active learning—Tools for overcoming biomechanics anxiety. *Sport and Exercise Scientist*, 75(1), 24-25.

Knudson, D. (2023). Association of ResearchGate research influence score with other metrics of top cited sports biomechanics scholars. *Biomedical Human Kinetics*, 15(1), 57-62. doi:10.2478/bhk-2023-0008

Knudson, D., Odum, M., & Meaney, K. (2022). Student and faculty perception of engagement in two active learning classroom designs. *Journal of Learning Spaces*, *11*(2), 36-44. http://libjournal.uncg.edu/jls/article/view/2243

Knudson, D. (2022). What kinesiology research is most visible to the academic world? *Quest*, *74*(3), 285-298. doi:10.1080/00336297.2022.2092880

Knudson, D. (2022). Do low-tech active learning exercises influence biomechanics student's epistemology of learning? *Sports Biomechanics*, *21*(7), 773-781. doi:10.1080/14763141.2019.1682650

Knudson, D. (2022). Citations in Google Scholar profiles by kinesiology subdiscipline. *Journal of Kinesiology & Wellness*, *11*, 25-33. https://jkw.wskw.org/index.php/jkw/article/view/102

Myers, N. L., Farnsworth, J. L. & **Knudson, D. V**. (2022). Different external workload models and their association with injury in competitive junior tennis players. *German Journal of Exercise and Sport Research*, 52, 97-104. doi:10.1007/s12662-021-00751-5

Knudson, D., & Bopp, M. J. (2021). Measuring learning and promoting academic integrity in online instruction. *Kinesiology Review*, *10*(4), 436-442. doi:10.1123/kr.2021-0037

Belmont, R., **Knudson, D**., Lobo da Costa, P.H., & dos Santos Lemos, E. (2021). Meaningful learning of biomechanical concepts: an experience with physical education teachers in continuing education. *Journal of Physical Education, 32,* e3263. doi:10.4025/jphyseduc.v32i1.3263

Myers, N.L., *Walker, A*., & **Knudson, D**. (2021). Determination of Kerlan-Jobe Clinic scores in college and junior tennis players. *Athletic Training & Sports Health Care*, *13*(3), 117-122. doi:10.3928/19425864-20200109-01

Knudson, D., & Wallace, B. (2021). Student perceptions of low-tech active learning and mastery of introductory biomechanics concepts. *Sports Biomechanics*, *20*(4), 458-468. doi:10.1080/14763141.2019.1570322

Knudson, D., &, Myers, N. L. (2021). A bibliometric analysis of the Journal of Medicine and Science in Tennis. *Journal of Medicine and Science in Tennis*, *26*(1), 15-21.

Odum, M., Meaney, K. & **Knudson, D**. (2021). Active learning classroom design and student engagement: An exploratory study. *Journal of Learning Spaces*, *10*(1), 27-42. http://libjournal.uncg.edu/jls/article/view/2102

Knudson, D. (2020). Top cited research over fifteen years in *Sports Biomechanics*. *Sports Biomechanics*, *19*(6), 808-816. doi:10.1080/14763141.2018.1518478

Wallace, B., **Knudson, D**., & Gheidi, N. (2020). Incorporating problem-based learning with direct instruction improves learning in undergraduate biomechanics. *Journal of Hospitality, Leisure, Sport & Tourism Education*, *27*, 100258. doi:10.1016/j.jhlste.2020.100258

Case, M.J., **Knudson, D**.**V**., & Downey, D.J. (2020). Barbell squat relative strength as an identifier for lower extremity injury in collegiate athletes. *Journal of Strength and Conditioning Research*, *34*, 1249-1253. doi:10.1519/JSC.0000000000003554

Odum, M., Meaney, K., & **Knudson, D**. (2020). Active learning training and classroom renovation: Exploring student and faculty perceptions in health and human performance disciplines. *Journal of Learning Spaces, 9*, 42-53.

Myers, N.L, *Aguilar*, K. V., *Mexicano*, G., Farnsworth, J L., **Knudson, D.,** & Kibler, W. B. (2020). The acute:chronic workload ratio is associated with injury risk in junior tennis players. *Medicine & Science in Sports & Exercise*, *52*, 1196-1200. doi:10.1249/MSS.0000000000002215

Knudson, D. (2020). Bibliometrics of *ITF Coaching and Sport Science Review*. *ITF Coaching and Sport Science Review, 28*(82), 21-23. doi:10.52383/itfcoaching.v28i82.20

Knudson, D., Liu, T., Schmidt, D. & Van Mullem, H. (2019). Mentoring tenure-track faculty in kinesiology. *Kinesiology Review*, *8*, 311-317. doi:10.1123/kr.2019-0041

Knudson, D. (2019). Judicious use of bibliometrics to supplement peer evaluations of research in kinesiology. *Kinesiology Review*, *8*, 100-109. doi:10.1123/kr.2017-0046

Knudson, D. (2019). Citation metrics of excellence in sports biomechanics research. *Sports Biomechanics*, *18*, 289-296. doi:10.1080/14763141.2017.1391328

Knudson, D. (2019). Kinesiology's tower of babel: Advancing the field with consistent nomenclature. *Quest*, *71*, 42-50. doi:10.1080/00336297.2018.1492427

Roetert, E. P., Wood, R. B., **Knudson, D**., & Brown, S. W. (2019). Applying the concept of chunking to tennis. *ITF Coaching and Sport Science Review, 27*(77), 9-12.

Knudson, D., & Meaney, K. (2018). Promoting active learning instruction and research (*PALIR*) in kinesiology departments. *Kinesiology Review*, *7*, 328-331. doi:10.1123/kr.2018-0047

Hsieh, C., & **Knudson, D**. (2018). Important learning factors in high and low achieving students in undergraduate biomechanics. *Sports Biomechanics*, *17*, 361-370. doi:10.1080/14763141.2017.1347194

Vagenas, G., *Palaiothodorou, D*., & **Knudson, D.** (2018). Thirty-year trends of study design and statistics in applied sports and exercise biomechanics research. *International Journal of Exercise Science, 11*, 239-259.

Knudson, D. (2017). Confidence crisis of results in biomechanics research. *Sports Biomechanics*, *16*, 425-433. doi:10.1080/14763141.2016.1246603

Knudson, D. (2017). Twenty years of authorship, sampling, and references in kinesiology research reports. *International Journal of Kinesiology in Higher Education*, *1*, 44-52. doi:10.1080/24711616.2017.1282760

Knudson, D. (2016). A Classification of Instructional Programs (CIP) primer for kinesiology leaders. *Kinesiology Review*, *5*, 215-220. doi:10.1123/kr.2016-0018

Knudson, D. (2016). Future trends in the kinesiology sciences. *Quest*, *68*, 348-360. doi:10.1080/00336297.2016.1184171

Belmont, R.S., **Knudson, D**., Lobo da Costa, P.H., & dos Santos Lemos, E. (2016). Mastery of functional anatomy and meaningful learning in introductory biomechanics. *Revista Praxis*, *8*(15), 81-91.

Knudson, D. (2016). Mentoring excellence in the kinesiology academy. *Quest*, *68*, 151-158. doi:10.1080/00336297.2016.1151451

Francis, C.E., Longmuir, P.E., Boyer, C., Belanger, P., Anderson, L. B., Barnes, J.D., Boiarskais, B., Cairney, J., Corbin, C.B., Faigenbaum, A.D., Faulkner, G. Hands, B.H., Hay, J.A., Janssen, I., Katzmarzyk. P.T., Kemper, H.C.G., **Knudson, D**., Lloyd, M.C., McKenzie, T.L., Olds, T.S., Sacheck, J.M., Shephard, R.J., Stodden, D.F., Zhu, W., & Tremblay, M.S. (2016). The Canadian Assessment of Physical Literacy: Development of a model of children's capacity for a healthy, active lifestyle through a Delphi process. *Journal of Physical Activity and Health, 13*, 214-222. doi:10.1123/jpah.2014-0597

Winter, E.M., & **Knudson, D.** (2016). Turning the corner on the correct use of terms and nomenclature to describe sport and exercise performance? *The Sport and Exercise Scientist*, *47*, 30-31.

Allen, T., Choppin, S., & **Knudson, D**. (2016). A review of tennis racket performance parameters. *Sports Engineering*, *19*, 1-11. doi:10.1007/s12283-014-0167-x

Winter, E.M., Abt, G., Brooks, F., Challis, J.H., Fowler, N.E., **Knudson, D**.**V**., Knuttgen, H.G., Kraemer, W.J., Lane, A.M., van Mechelen, W., Morton, R.H., Newton, R.U., Williams, C., & Yeadon, F.R. (2016). Misuse of "Power" and other mechanical terms in sport and exercise science research. *Journal of Strength and Conditioning Research*, *30*, 292-300. doi:10.1519/JSC.0000000000001101

Knudson, D. (2015). Biomechanics scholar citations across academic ranks. *Biomedical Human Kinetics*, *7*, 142-146. doi:10.1515/bhk-2015-0021

Welk, G., & **Knudson, D**. (2015). The intersection of physical activity and public health: Opportunities for kinesiology. *Kinesiology Review*, *4*, 317-321. doi:10.1123/kr.2015-0031

Knudson, D. (2015). Kinesiology faculty citations across academic rank. *Quest, 67*, 346-351. doi:10.1080/00336297.2015.1082144

Knudson, D. (2015). Evidence of citation bias in kinesiology-related journals. *Chronicle of Kinesiology in Higher Education*, *26*(1), 5-12.

Knudson, D. (2015). Citation rate of highly-cited papers in 100 kinesiology-related journals. *Measurement in Physical Education and Exercise Science*, *19*, 44-50. doi:10.1080/1091367X.2014.988336

Knudson, D. (2015). Influential kinesiology journals: The view from outside of the field. *The Physical Educator*, *72*, 149-159. https://js.sagamorepub.com/index.php/pe/article/view/3199

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Knudson, D. (2014). What is a kinesiology journal? *Comprehensive Psychology*, *3*, 20. doi:10.2466/03.CP.3.20

Knudson, D., Elliott, B., & Hamill, J. (2014). Proposing application of results in sport and exercise research reports. *Sports Biomechanics*, *13*, 195-203. doi:10.1080/14763141.2014.959551

Knudson, D., Morrow, J., & Thomas, J. (2014). Advancing kinesiology through improved peer review. *Research Quarterly for Exercise and Sport*, *85*, 127-135. doi:10.1080/02701367.2014.898117

Knudson, D. (2014). Citation rates for highly-cited papers from different sub-disciplinary areas within kinesiology. *Chronicle of Kinesiology in Higher Education*, *25*(2), 9-17.

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Belmont, R.S., **Knudson, D**., & dos Santos Lemos, E. (2014). Continuing education in biomechanics for physical education teachers. *Journal of New Trends in Arts, Sports & Science Education*, *3*, 14-21.

Knudson, D. (2013). Impact and prestige of kinesiology-related journals. *Comprehensive Psychology*, *2*, 13. doi:10.2466/50.17.CP.2.13

Knudson, D. (2013). Top journals related to kinesiology according to the SCImago database. *Chronicle of Kinesiology in Higher Education, 24*(2), 21-25.

Knudson, D., & Lindsey, C. (2013). Change in the mechanical response of nylon tennis strings across tension. *Journal of Medicine & Science in Tennis*, *18*, 59-62.

Chavez, A., **Knudson, D**., Harter, R., & McCurdy, K. (2013). Activity-specific effects of fatigue protocols may influence landing kinematics: A pilot study. *International Journal of Exercise Science*, *6*, 242-249.

Knudson, D. (2012). Citation classics in tennis medicine and science. *Journal of Medicine & Science in Tennis*, *17*, 118-122.

Garceau, L.R., Ebben, W.M., & **Knudson, D**. (2012). Teaching practices of the undergraduate introductory biomechanics faculty: A North American survey. *Sports Biomechanics*, *11*, 542-558. doi:10.1080/14763141.2012.725764

Knudson, D., Elliott, B., & Ackland, T. (2012). Citation of evidence for research and application in kinesiology. *Kinesiology Review*, *1*, 129-136. doi:10.1123/krj.1.2.129

Hsieh, C., Smith, J., Bohne, M., & **Knudson, D**. (2012). Factors related to students' learning of biomechanics concepts. *Journal of College Science Teaching*, *41*(4), 83-89.

Hsieh, C., Mache, M., & **Knudson, D**. (2012). Does student learning style affect performance on different formats of biomechanics examinations? *Sports Biomechanics*, *11*, 108-119. doi:10.1080/14763141.2011.637128

Knudson, D. (2012). Twenty-year trends of authorship and sampling in applied biomechanics research. *Perceptual and Motor Skills*, *114*, 16-20. doi:10.2466/11.PMS.114.1.16-20

Chow, J., & **Knudson, D**. (2011). Use of deterministic models in sports and exercise biomechanics research. *Sports Biomechanics*, *10*, 219-233. doi:10.1080/14763141.2011.592212 **6^{th} most read article all time

Knudson, D. (2011). Authorship and sampling practice in selected biomechanics and sports science journals. *Perceptual and Motor Skills*, *112*, 838-844. doi:10.2466/17.PMS.112.3.838-844

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Hsieh, C., & **Knudson, D**. (2008). Student factors related to learning in biomechanics. *Sports Biomechanics*, *7*, 398-402. doi:10.1080/14763140802233207

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Wallace, B., **Knudson, D**., & Hsieh, C. (2024). *Development of a rehabilitative medicine based biomechanics concept inventory*. Paper presented to the 48th Annual Meeting of the American Society of Biomechanics.

Hsieh, C., **Knudson, D**., & Wallace, B. (2024). *Twenty-year trends in student readiness, performance, and learning in biomechanics*. Paper presented to the 42nd International Society of Biomechanics in Sports Conference.

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Atack, A., McErlain-Naylor, S., & **Knudson, D**. (2022). *Scholarship of teaching & learning (SoTL) in biomechanics*. Paper presented to the 40th International Society of Biomechanics in Sports Conference.

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Hsieh, C., & **Knudson, D**. (2022) *Biomechanics students' academic performance before and during the COVID-19 pandemic*. Paper presented to the 40th International Society of Biomechanics in Sports Conference.

Breen, S., Hsieh, C., **Knudson, D**., & Mache, M. (2021). *Teaching sports biomechanics using problem-based learning*. Workshop presented to the 2021 International Society of Biomechanics Conference.

Knudson, D. (2021). *Confronting the "consensus of uninformed dogma" in higher education administration*. Paper presented to the 2021 National Academy of Kinesiology virtual annual meeting.

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Wallace, B.J., **Knudson, D**., & Ghedi, N. (2020). *Problem-based learning improves student learning in undergraduate biomechanics*. Paper presented to the virtual 44th of the American Society of Biomechanics, August 2020.

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Myers, N.L., *Mexicano, G.*, *Aguilar, K.V*, & **Knudson, D.V**. (2019). *Monitoring workload and upper limb injury in junior tennis players: A clinical case presentation*. Paper presented to the American Society of Shoulder and Elbow Therapists Annual Meeting, New York, NY.

Gonzalez, A., & **Knudson, D.** (2019). *Effect of data smoothing on impact variables in soccer kicking*. Paper presented to 37th International Conference on Biomechanics in Sports*,* Oxford, OH.

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Mexicano, G., *Aguilar. K.V*., Donaldson, M.J., Aranda, M., **Knudson, D.V.**, Farnsworth, J.L., & Myers, N.L. (2019). *The acute:chronic workload ratio is associated with injury in adolescent tennis players.* Paper presented to NATA, Las Vega, NV. Abstract in *Journal of Athletic Training*, *54*(6), S49.

Aguilar, K.V., *Mexicano, G*., Donaldson, M.J., Aranda, M., **Knudson, D.V**., Farnsworth, J.L., & Myers, N.L. (2019). *The acute:chronic internal workload ratio in relation to joint pain in adolescent tennis players.* Paper presented to NATA, Las Vega, NV. Abstract in *Journal of Athletic Training*, *54*(6), S50.

Liu, T., & **Knudson, D.** (2019). *Benefits and challenges of mentoring tenure-track faculty*. Paper presented to the 2019 Leadership Workshop of the American Kinesiology Association, Phoenix, AZ.

Knudson, D. (2018). *Profiles of young scholar award winners in biomechanics*. Paper presented to the 36th International Conference on Biomechanics in Sports*,* Auckland, NZ.

Knudson, D., & Wallace, B. (2018). *Student perceptions of active learning and mastery in biomechanics*. Paper presented to the 42nd Annual Meeting of the American Society of Biomechanics, Rochester, MN.

Meaney, K., & **Knudson, D**. (2018). *Promoting active learning instruction and research in kinesiology departments*. Paper presented the 2018 Leadership Workshop of the American Kinesiology Association. Denver, CO.

Knudson, D. (2017). *Profiles of excellence in sports biomechanics research*. Paper presented to the 35th International Conference on Biomechanics in Sports, Cologne, Germany.

Cervantes, C., Mata, Z., Smith, D., & **Knudson, D**. (2016). *Defining the future of PE teacher preparation program in TX*. Panel presentation to the 93rd Annual Convention of TAHPERD. Galveston, TX.

Knudson, D. (2016). *Recent collaboration trends in applied biomechanics*. Paper presented to the 34th International Conference on Biomechanics in Sports. Tsukuba, Japan.

Knudson, D. (2015). *Biomechanics research concept inventory*. Paper presented to the 33rd International Conference on Biomechanics in Sports. Poitiers, France.

Knudson, D. (2014). *Influence of scholarly publications: Use of bibliometrics and altmetrics*. Paper presented to the 2014 TAHPERD Annual Convention. Galveston, TX.

Hsieh, C., Mache, M. A., & **Knudson, D**. (2014). *Students' learning of specific biomechanical competencies*. Paper presented to the 32nd Annual Conference of the International Society of Biomechanics in Sports. Johnson City, TN.

Knudson, D. (2013). *Citation classics in applied biomechanics of sports*. Paper presented to the 31st Conference of the International Society of Biomechanics in Sports, Taipei, Taiwan.

Knudson, D., & Lindsey, C. (2013). *Type I and Type II errors in correlation analyses of various sample sizes*. Paper presented to the 60th Annual Meeting of the American College of Sports Medicine, Indianapolis, IN. Abstract in *Medicine and Science in Sports and Exercise*, *45*, S274.

Knudson, D. (2013). *Authorship and sampling in Research Quarterly for Exercise and Sport*. Paper presented to the Research Consortium of the AAHPERD National Convention, Charlotte, NC. Abstract in *Research Quarterly for Exercise and Sport*, *84* (S1), A28.

Knudson, D., & Bahamonde, R. (2012). *Twenty-five year trends of authorship and sampling in ISBS Proceedings*. Paper presented to the 30th International Conference of the International Society of Biomechanics in Sports, Melbourne, Australia.

Garceau, L., **Knudson, D**., & Ebben, W. (2011). *Fourth North American survey of undergraduate biomechanics instruction in kinesiology/exercise science*. Paper presented to the 29th International Conference of the International Society of Biomechanics in Sports, Porto, Portugal.

Knudson, D., & Ostarello, J. (2010). *Influential literature in applied sports biomechanics*. Paper presented to the 28th International Conference of the International Society of Biomechanics in Sports, Marquette, MI.

Knudson, D. (2010). *What have we learned from teaching conferences and research on learning in biomechanics?* Paper presented to the 28th International Conference of the International Society of Biomechanics in Sports, Marquette, MI.

Knudson, D., & Hsieh, C. (2009). *Factors in upper extremity loading in the power drop exercise*. Paper presented to the XXVIIth International Conference on Biomechanics in Sports, Limerick, Ireland.

Knudson, D., & Ostarello, J. (2008). *International prestige of sports biomechanics serials*. Paper presented to the XXVIth International Conference on Biomechanics in Sports, Seoul, South Korea.

Knudson, D. (2007). *Analysis of multiple comparison errors using ground reaction force data*. Paper presented to XXVth International Symposium on Biomechanics in Sports, Ouro Preto, Brazil.

Knudson, D. (2007). *Prestige of sport biomechanics serials*. Paper presented to XXVth International Symposium on Biomechanics in Sports, Ouro Preto, Brazil.

Knudson, D., & Chow, J. (2007). *North American prestige of biomechanics serials*. Paper presented to the American Society of Biomechanics, Palo Alto, CA.

Knudson, D., Bauer, J., & Bahamonde, R. (2007). *Correlates of learning in introductory biomechanics*. Paper presented to NASPE academies, AAHPERD National Convention, Baltimore, MD.

Hall, S., **Knudson, D**., & Nelson, A. (2007). *To stretch or not to stretch: What does science support?* Session presented at AAHPERD National Convention, Baltimore, MD.

Knudson, D. (2005). *Biomechanics concept inventory 3*. Paper presented to the Annual Meeting of the American College of Sports Medicine, Denver, CO. Abstract in *Medicine and Science in Sports and Exercise*, *38*, S395.

Knudson, D. (2005). *Effect of tennis ball mass and smoothing on peak racket velocity*. Paper presented to the XXIII International Symposium on Biomechanics in Sports. Beijing, China.

Knudson, D. (2005). *Statistical and reporting errors in applied biomechanics research*. Paper presented to the XXIII International Symposium on Biomechanics in Sports. Beijing, China.

Knudson, D. (2005). *Evidence-based practice in biomechanics*. Paper presented to NASPE Academies, AAHPERD National Convention, Chicago, IL.

Knudson, D., & Noffal, G. (2005). *Time course of stretch-induced isometric strength deficits*. Paper presented to the Research Consortium of the AAHPERD National Convention, Chicago, IL. Abstract in *Research Quarterly for Exercise and Sport*, *76*, A24.

Knudson, D. (2004). *Biomechanical studies on the mechanism of tennis elbow*. Paper presented to the 5th International Conference on Engineering in Sport, Davis, CA.

Knudson, D. (2004). *Biomechanics concept inventory: version two*. Paper presented at the XXIInd International Symposium on Biomechanics in Sports, Ottawa, Canada.

Knudson, D., Mache, M.A., & Kotte, J.A. (2004). *Stretching has no effect on free throw shooting accuracy*. Paper presented at the 2004 Annual Meeting of the American College of Sports Medicine, Indianapolis, IN. Abstract in *Medicine and Science in Sports and Exercise*, *36*, S206.

Noffal, G., **Knudson, D**., & Brown, L.E. (2004) *Effect of stretching the upper limb on throwing speed and isokinetic shoulder torques*. Paper presented at the 2004 Annual Meeting of the American College of Sports Medicine, Indianapolis, IN. Abstract in *Medicine and Science in Sports and Exercise*, *36*, S136-S137.

Knudson, D., & Blackwell, J. (2002). *Effect of the type 3 ball on tennis serve performance and upper extremity loading*. Paper presented at the 2002 Annual Meeting of the American College of Sports Medicine and Sixth IOC World Congress on Sport Sciences. Abstract in *Medicine and Science in Sports and Exercise*, *34*, S277.

Knudson, D. (2001). *Repetitive eccentric insult: the mechanism of overuse injury in tennis?* Paper presented at the 21st Annual Meeting of the Southwest Chapter of the American College of Sports Medicine, Salt Lake City, UT.

Knudson, D. (2001). *A lab to introduce biomechanics using muscle actions*. Paper presented at the Fifth National Symposium on Teaching Biomechanics in Sports, San Francisco, CA.

Knudson, D. (2001). *Accuracy of predicted peak forces during the power drop exercise*. Paper presented at the XIX International Symposium on Biomechanics in Sports, San Francisco, CA.

Knudson, D., & Blackwell (2001). *Effect of type 3 ball on upper extremity EMG and acceleration in the tennis forehand.* Paper presented at the XIX International Symposium on Biomechanics in Sports, San Francisco, CA.

Knudson, D., & Bahamonde, R. (2001). *Effect of endpoint conditions on position and velocity near impact in tennis*. Paper presented at the XIX International Symposium on Biomechanics in Sports, San Francisco, CA.

Bahamonde, R., & **Knudson, D**. (2001). *Ground reaction forces of two types and stances of tennis serves*. Paper presented at 48th Annual Meeting of the American College of Sports Medicine. Baltimore, MD. Abstract in *Medicine and Science in Sports and Exercise*, *33*, S102.

Knudson, D., & Nelson, A. (2001). *Rethinking the stretching program: recent findings on performance and injury*. Paper presented at the 2001 AAHPERD National Convention. Cincinnati, OH.

Knudson, D., Morrison, C., & Pinhero, V. (2001). *Qualitative analysis of sports skills for coaches*. Paper presented at the 2001 AAHPERD National Convention. Cincinnati, OH.

Knudson, D. (2000). *The need for updated guidelines for undergraduate biomechanics*. Paper presented to the Biomechanics Academy of the 2000 AAHPERD National Convention, Orlando, FL.

Knudson, D., Bennett, K., Corn, R., Leick, D., & Smith, C. (2000). *Acute effects of stretching are not evident in the kinematics of the vertical jump*. Paper presented at the 2000 AAHPERD National Convention, Orlando, FL. Abstract in *Research Quarterly for Exercise and Sport*, *71*, A30.

Knudson, D., & Blackwell, J. (2000). *Trunk muscle activation in open stance and square stance tennis forehands*. Paper presented at the 2000 AAHPERD National Convention, Orlando, FL. Abstract in *Research Quarterly for Exercise and Sport*, *71*, A19.

Knudson, D., & Corn, R. (1999). *Intrasubject variability of the kinematics of the vertical jump*. Paper presented at the XVII International Symposium of Biomechanics in Sports, Perth, Western Australia.

Knudson, D. (1999). *Models of qualitative analysis instruction in physical education*. Paper presented to the 66th Annual CAHPERD State Conference, Monterey, CA.

Bahamonde, R., & **Knudson, D**. (1998). *Kinematic analysis of the open and square stance tennis forehand.* Paper presented at the 45th Annual Meeting of the American College of Sports Medicine, Orlando, FL. Abstract in *Medicine and Science in Sports and Exercise*, *30*, S29.

Knudson, D. (1998). *Biomechanics of abdominal exercises*. Paper presented to the Biomechanics Academy of the 1998 AAHPERD National Convention, Reno, NV.

Knudson, D. & Bahamonde, R. (1998). *Impact kinematics of the open stance and square stance tennis forehand*. Paper presented to the 4th International Conference on Sports Medicine and Science in Tennis, Miami, FL.

Bahamonde, R., & **Knudson, D**. (1998). *Kinetic analysis of the open stance and square stance tennis forehand*. Paper presented to the 4th International Conference on Sports Medicine and Science in Tennis, Miami, FL.

Knudson, D. (1997). *Effect of grip models on rebound accuracy of off-center tennis impacts*. Paper presented at the Fifteenth International Symposium of Biomechanics in Sports, Denton, TX.

Knudson, D., & Johnston, D. (1997). *Abdominal muscle activation in two trunk-curl tests*. Paper presented at the Fifteenth International Symposium of Biomechanics in Sports, Denton, TX.

Knudson, D. (1997). *The segmental contributions to overarm throwing: a kinematics laboratory.* Paper presented at the 4th National Symposium on Teaching Biomechanics, Denton, TX.

Knudson, D. (1997). *The Magnus effect in baseball pitching*. Paper presented at the 4th National Symposium on Teaching Biomechanics, Denton, TX.

Knudson, D. (1997). *The interdisciplinary nature of qualitative analysis*. Paper presented to the Biomechanics Academy of the 1997 AAHPERD National Convention, St. Louis, MO.

Knudson, D. (1996). *Trunk flexion range of motion in two abdominal fitness tests*. Paper presented to the Research Section, TAHPERD State Convention, Corpus Christi, TX.

Knudson, D., & Johnston, D. (1996). *Analysis of three test durations of the bench trunk-curl*. Paper presented to the Research Section, TAHPERD State Convention, Corpus Christi, TX.

Knudson, D., & Johnston, D. (1995). *Reliability of the bench trunk-curl in college fitness classes*. Paper presented to the Research Section, TAHPERD State Convention, Dallas, TX.

Knudson, D., Faribault, J., & Luedtke, D. (1995). *An integrated model for the qualitative analysis of the tennis serve*. Paper presented to the Biomechanics Academy of the 1995 AAHPERD National Convention, Portland, OR.

Knudson, D., & Blackwell, J. (1995). *Impact loading and wrist extensor stretch in the one-handed backhand*. Paper presented to the Second National Conference on Sports Medicine and Science in Tennis, Key Biscayne, FL.

Knudson, D. (1993). *Effect of string tension and impact location on ball rebound accuracy in tennis.* Paper presented to the Research Section, TAHPERD State Convention, Galveston, TX.

Knudson, D. & Blackwell, J. (1993). *The biomechanics of impact in tennis: Reducing the potential for injury*. Paper presented to the Research Section, TAHPERD State Convention, Galveston, TX.

Knudson, D. (1991). *Analysis of hand forces in the tennis one-handed backhand*. Paper presented to the Research Section, TAHPERD State Convention, Corpus Christi, TX.

Knudson, D., Morrison, C., & Reeve, J. (1991). *Effect of undergraduate kinesiology courses on qualitative analysis ability*. Paper presented at the 3rd National Symposium on Teaching Kinesiology and Biomechanics in Sports, Ames, IA.

Knudson, D. (1990). *Intra-subject variability of angular kinematics of the tennis forehand drive.* Paper presented to the Research Section, TAHPERD State Convention, Lubbock, TX.

Knudson, D., & Roberts, E. (1989). K*inematic variability of the tennis forehand drive*. Proceedings of the XII International Congress of Biomechanics. (#39). Los Angeles, CA: UCLA. June 26-30. Abstract in the *Journal of Biomechanics*, *22*, 1038.

Ballor, D., Burke, L., **Knudson, D**., Montoye, H. & Olson, J. (1988). *Caltrac, HR and film estimates of energy expenditure highly correlated*. Paper presented to the 35th Annual Meeting of the American College of Sports Medicine, Dallas, TX. Abstract in *Medicine and Science in Sports and Exercise*, *20*, S56.

Invited/Keynote Presentations (34)

Knudson, D. (2024). *Interdisciplinary kinesiology curricula: Sixth grade band or symphony orchestra?* Invited presentation to the 93rd Annual Meeting of the National Academy of Kinesiology.

Knudson, D. (2024). *Back to the future: Research on learning biomechanical concepts*. Invited presentation for an applied session of the 42nd International Society of Biomechanics in Sports Conference.

Knudson, D., Mahar, M., & Myers, N. D. (2023). *Preliminary report of the 2020-2022 NAK doctoral program evaluation.* Invited presentation to the Business Meeting of the National Academy of Kinesiology (NAK). Online, 9/14/2023.

Knudson, D. (2020). *Greater representation of BIPOC perspectives in biomechanics research.* Invited presentation to the East Regional Chapter of the American Society of Biomechanics, Penn State Berks.

Knudson, D. (2019). *Challenging assumptions and evidence-based practice in physical activity*. SHAPE America Scholar Lecture, SHAPE America National Convention, Tampa, FL.

Knudson, D. (2018). *Biomechanical motion and projectile motion*. ISBS Teacher's Day, 36th International Conference on Biomechanics in Sports, Auckland, NZ

Knudson, D. (2018). *Discoveries of a curious sportsman.* SHAPE Southern District Scholar Lecture, SHAPE America Southern District Annual Convention, Nashville, TN.

Knudson, D. (2017). *Discoveries of a curious sportsman.* TAHPERD Scholar Lecture, TAHPERD 94th Annual Convention, Fort Worth, TX.

Knudson, D. (2016). *Application of tennis biomechanics in the court and beyond.* ISBS Keynote Lecture, 40th Annual Meeting of the American Society of Biomechanics, Raleigh, NC.

Knudson, D. (2016). *Research on learning introductory biomechanics/mechanics*. Invited presentation to the 34th International Conference on Biomechanics in Sports. Tsukuba, Japan.

Knudson, D. (2016). *Using CIP codes to your advantage*. Invited presentation to the American Kinesiology Association Leadership Workshop, San Antonio, TX.

Knudson, D. (2016). *Mentoring excellence in the kinesiology academy*. 35th Annual Dudley Allen Sargent Lecture, 2016 Annual National Association for Kinesiology in Higher Education Conference, San Diego, CA.

Knudson, D. (2014). *Don't stretch the truth: Evidence-based stretching recommendations for teachers and coaches*. Research Council Biomechanics Forum Lecture, AAHPERD National Convention, St. Louis, MO.

Knudson, D. (2013). *Physics and biomechanics education research: Improving learning of biomechanical concepts*. Invited presentation to the 31st Conference of the International Society of Biomechanics in Sports, National Taiwan Normal University, Taipei, Taiwan.

Knudson, D. (2011). *What have we learned about teaching sports biomechanics?* Keynote presentation at the Taiwanese Society of Biomechanics in Sport, National Taiwan Sport University, Taipei, Taiwan.

Knudson, D. (2011). *Collaboration and academic identity in kinesiology*. Invited paper presented to American Kinesiology Association Leadership Conference, Dallas, TX.

Knudson, D. (2010). *Dysfunctional anatomy: why biomechanics is essential*. Southeast ACSM Scholar Lecture Tour, ULM, Murray State, Ole Miss, MSU, and UT Knoxville.

Knudson, D. (2010). *The winding road of applied tennis research*. Keynote presentation to the South Central Regional Chapter of the American Society of Biomechanics, Denton, TX.

Knudson, D. (2009*). Biomechanics of stretching*. Invited presentation to the Advanced Ergonomics Seminar, State Compensation Insurance Fund, Vacaville, CA.

Knudson, D. (2007). *Biomechanical issues of abdominal and groin injuries in tennis*. Invited presentation to the 2007 World Congress of the Society for Tennis Medicine and Science, Antwerp, Belgium.

Knudson, D. (2006). *Muscle actions in human movement*. Invited biomechanics presentation to the KAHPERD International Sport Science Congress, Young In University, Korea.

Knudson, D. (2006). *Tennis biomechanics: injury mechanisms and performance*. Invited biomechanics presentation to the KAHPERD International Sport Science Congress, Young In University, Korea.

Knudson, D. (2006). Applying biomechanics to the qualitative analysis of the forehand. Invited presentation to the XXIV International Symposium on Biomechanics in Sports, Salzburg, Austria.

Knudson, D. (2004). *Biomechanics of stretch-induced strength deficits*. Invited presentation to the SW Chapter of the American College of Sports Medicine, Las Vegas, NV.

Knudson, D. (2004). *New research on warm-up, flexibility and stretching*. Invited presentation to the California Association of Independent Schools Southern Regional Meeting, North Hollywood, CA.

Knudson, D. (2003). *Research on flexibility and stretching in tennis*. Invited basic science presentation to 9th Annual Meeting of the Society for Tennis Medicine and Science, Hilton Head, SC.

Knudson, D. (2001). *Application of biomechanics in qualitative analysis*. Invited plenary presentation to the Fifth National Symposium on Teaching Biomechanics in Sports, San Francisco, CA.

Knudson, D. (2001). *Two studies of the type 3 tennis ball: forehands and serves*. Invited paper presented to the USTA 2001 Annual Meeting, Tucson, AZ.

Knudson, D. (1999). *Using sport science to observe and correct tennis strokes*. Invited paper presented to the XVII International Symposium of Biomechanics in Sports, Perth, Western Australia.

Knudson, D. (1994). *Current research on the biomechanics of stretching*. Invited paper presented to the Third Annual East Texas Sports Medicine Seminar and Tennis Symposium, Tyler, TX.

Knudson, D., Faribault, J., & Luedtke, D. (1994). *Qualitative analysis of the tennis serve*. Invited paper presented to the Third Annual East Texas Sports Medicine Seminar and Tennis Symposium, Tyler, TX.

Other Presentations

Knudson, D. (2019) *New fellow response*. 89th Annual Meeting of the National Academy of Kinesiology, Bellevue, WA, September 14.

Knudson, D., Baer, A., Rhodes, C., & Blair, J. (2018). *Distinguished research panel*. Tenth International Research Conference for Graduate Students, Texas State University, San Marcos, TX, November 13.

Knudson, D. (2007). *Research on teaching biomechanics*. Presentation to the Department of Physics Seminar, California State University, Chico, February 23.

Knudson, D. (2003). *Current research on flexibility and stretching*. Paper presented to the USTA Sport Science Committee, Key Biscayne, FL.

Gill, D., Goodway, J., Graber, K., & **Knudson, D**. (1999). *Getting started in the physical education and sport grant game*. Round table to be presented at the 1999 AAHPERD National Convention, Boston, MA.

Knudson, D. (1988). *Weight training power index*. WAHPERD South Central District Workshop, Jan. 23, 1988.

INSTRUCTION

Texas State University:
AT 5347 Independent Study in Athletic Training
ESS 3320 Biomechanics
ESS 5110 Research Seminar
ESS 5309 Biomechanics of Exercise and Sports Science
ESS 5311 Biomechanics of Musculoskeletal Injury
ESS 5347 Independent Study in Exercise Science
ESS 5356 Applied Statistics in Health and Human Performance
ESS 5399 A & B Thesis
California State University, Chico:
KINE 322 Biomechanics

KINE 524 Biomechanical Analysis
KINE 601 Statistical Methods in Kinesiology Research
KINE 623 Seminar in Biomechanics
KINE 624 Biomechanical Analysis
KINE 321 Motor Development and Behavior
KINE 104 Principles of Physical Education
Participant: Center for Excellence in Learning and Teaching Conference 2000-2009
Baylor University:
HP 5384 Biomechanics
STA 5300 Statistics
HP 4384 Qualitative Analysis of Human Movement
HP 3381 Fundamentals of Human Performance
HP 3134 Basketball
HP 3131 Flag Football
HP 2306 Kinesiology
HP 2102 Fitness Concepts and Testing Procedures
HP 1104 Adapted Physical Education
HED 1145 Health and Human Behavior
Various Activity Courses (Weight Training, Adv. Tennis, Int. Tennis, Beg. Tennis)
Participant, Baylor Institute for Technology in Education (BITE) 1993, 1995
Participant, Baylor CCIS Instructional Technology Workshop 1996
Baylor University Instructional Development Grants 1989, 1990, 1991, 1992, 1995

SERVICE

Administrative

Texas State University

Chair, Department of Health & Human Performance 2009-2017
Won renovation of D111 into a Therapeutic Interventions Lab ($52,200)
Enhanced renovation of A205 with university and external partner (Knoll) to create an advanced learning and collaborative space classroom ($191,300)
Worked to mentor/train incumbent department chair
Won commitment to $3 Million in Master Plan for renovation of vacated athletics space in Jowers and additional shared sport fields
Increased electronic course fee income from $10,000 to $125,000 per semester
Collaboration with ANTH for use of HPB Cadaver Anatomy Lab
Won back-up generator connection for neuromuscular physiology lab
Proposed Anatomy & Physiology Commons for Health & Biomedical Sciences
Converted H ED lecturer position to tenure-track position
Won temporary office portable building JOWX ($248,947)
Assisted with major updates of graduate programs in AT, ESS, H ED & REC
Facilitated the update of regalia color terminology in commencement program
Won renovation for exercise physiology lab space ($20,000)
Won additional funding for exercise physiology equipment ($186, 664)
Won renovation of space for AT Instruction lab ($121,000)

Initiated enhanced classroom refresh program request as enhanced facility renovations to accommodate enrollment growth and transition to active learning ready classrooms
Submitted data for National Collegiate Fitness Index (Texas State top 33% for large public universities
Won additional funding for four new non-tenure line faculty ($160,000)
Updated UPPS 08.01.02 (twice) on joint scheduling of HHP facilities
Won new tenure-track line in Athletic Training/PrePT
Won funding for hiring of four new non-tenure line faculty
Won renovation of neuromuscular physiology and disabilities labs ($390,900)
Won $129,000 in university funding for $202,000 renovation of weight room, athletic training room, and rehabilitation room
Won additional temporary adjunct funding ($200,000)
Supervised tenure-track hires in AT, ESS, H ED, & PETE
Won conversion of two senior lecturer positions (ESS and H ED)
Implemented department Facebook page
Coordinated successful effort to get tailgating off the Jowers/band field
Coordinated revision of department brochure and recruitment banners
Worked with ESS faculty to establish new MS in Exercise Science
Worked with faculty on developing culturally-responsive pedagogies
Worked with faculty to develop proposals for PhD track in PETE and graduate certification in APE
Worked with faculty to receive ACC student computing grant ($10,233)
Worked with faculty to revise annual evaluation and RTP policies
Worked with donors to establish new scholarship for ESS majors
Worked with ESS faculty to increase GPA requirements in majors
Won renovation of exercise physiology lab ($15,000)
Coordinated renovation of A111 into large active learning classroom ($35,000)
Updated departmental recognition program and displays
Compiled concise department history for web and display
Established *Brennan & Smith Lecture Series* in Health & Human Performance, endowed with $305,000 bequest
Coordinated final approval of department name change
Coordinated curriculum renovation and transition from PE to ESS prefix
Supervised review of departmental graduate programs
Won new tenure-track line in Adapted Physical Education
Supervised successful TT hire of Coordinator for Recreation Division
Coordinated renovation for biomechanics/sports medicine lab ($100,000)
Updated and redesigned departmental web page
Coordinated revision of journal subscriptions

California State University, Chico

Associate Dean, College of Communication and Education 2005-2009
Coordinated College personnel, curriculum, and leaves issues
Coordinated College committees
Coordinated College public relations (web, publications, recognition)
Coordinated recruitment of tenure track faculty

Coordinated catalog revisions every two years
Worked with Dean on planning independent Ed.D. program
Chair, Design Team, Ed.D. in Educational Leadership
Substitute for Dean on Council of Academic Deans
Drafted College mission and vision statements
Worked with Dean and Chairs on strategic planning
Reviewed and negotiated lab and office space allocations
Worked with College development staff
Worked with chairs and faculty to revise departmental RTP standards
Responsible for new faculty orientation and mentoring
Resolved personnel, grievance, and discipline issues
Developed College Pilot Grant Competition
Developed College Research Colloquium Series
Developed College Faculty Fellowship Program
Prepared university and system reports
Interim Chair, Department of Kinesiology 2007-2009
Expanded Advisory Board
Revised website and department PR strategy
Fundraised and networked to renovate tennis courts $450,000
Associate Chair, Department of Kinesiology 2001-2005
Coordinated construction, furnishing, and move into new 70,600 ft^2 facility
Established the Maglischo biomechanics lab maintenance endowment
Developed vision, mission, and department goals
Developed 3-to-5-year strategic plan
Developed Departmental Student Learning Outcomes Areas
Coauthored 2000-2004 5^{th} year program review
Developed instructor qualifications policy for department courses
Developed policy documents for fitness lab and mat room
Revised department personnel/RTP policies
Revised department constitution and bylaws
Revised department exit interview for students
Coordinated department name change
Coordinated chair review
Evaluation of lecturers and graduate teaching assistants
Revised peer and instructor evaluation forms
Advisor, PrePT/OT club 2002-2007
Coordinated course renumbering for 2005-2007 catalog revision
Scheduled graduate assistants in activities program

Department of Health and Human Performance *Texas State University*
Member, Technology Committee 2021-2024
Member, Assistant Professor Athletic Training Search Committee 2022-2023
Member, Assistant Professor Athletic Training Search Committee 2021-2022
Member, Assist./Assoc. Professor Athletic Training Search Committee 2018-2019
Member, Assoc./Professor Applied Exercise Physiology Search Committee 2018
Chair, Assist. Professor Clinical Biomechanics Search Committee 2017-2018

Member, Faculty Evaluation Committee, 2017-2020
Member, Dr. Li Mentoring Committee, 2018-2021
Member, Dr. Meyers Mentoring Committee, 2017-2021
Chair, Dr. Stacy Hunter Mentoring Committee, 2017-present
Chair, Ad Hoc ESS Graduate Committee—MS Rehabilitation Sciences Concentration
Lead writer—PhD in Health and Rehabilitation Sciences Proposal 2015-2018

College of Education *Texas State University*

Member, Review Panel, Social Innovation Research Initiative 2019-2020
Member, William T. Grant Foundation Scholars Pre-Proposal Review Committee 2018
Member, Graduate College Scholarship Committee 2017-2020
Chair, College Coordinator of Outreach and Recruiting Search Committee 2015
Chair, CLAS Department Chair Search Committee 2013-2014
Developed college tagline: "Advancing Human Potential for All"
Member, Committee on International Engagement 2015-present
College Review Group 2009-2017
College Council 2009-2017
College of Education Dean Search Committee 2010-2011
Faculty Evaluation-Tk20 Task Force 2009-2010

University

Texas State University

Presidential Award for Excellence in Service Selection Committee 2025-2027
Academic Computing Committee 2018-2024
Technology Enhanced Classrooms Committee 2018-2024
University Distinguished Professor Committee 2022
Learning Management System Advisory Committee 2017-2019
Travel Grant Committee, Center for International Studies 2017-2020
Search Committee, Assistant VP for Academic Services 2017-2018
Faculty Qualifications Advisory Committee 2017-present
Academic Program Review Team, Department of Physical Therapy 2016-2017
M&O Formula Advisory Group 2014-2015
Chair, Council of Chairs 2013-2014
Honorary Professor of International Studies 2014-present
Vice Chair, Council of Chairs 2012-2013
Executive Research Plan Committee 2012-2013
University Faculty Grievance Committee 2011-2012
University Council 2010-2011
Faculty Workload Policy Task Force 2010-2011
College Review Group, College of Health Professions 2013, 2021
College Review Group, College of Liberal Arts 2011

California State University, Chico

University Web Content Committee 2008-2009
Plumas Courtyard Planning Committee 2007-2009
Recreational Sports Student Liaison Council 2006-2008
Wildcat Activity Center Planning Committee 2005-2009

130,000 ft^2 65 million dollar facility
Instructionally Related Activities Board 2005-2007
College of Communication and Education Dean Search Committee 2003
Academic Senate, 2000-2003
Faculty and Student Policies Committee, 2000-2003
Facilities Operations Group, 2001-2005, 2007-2009

California State University, Chico, College of Communication and Education
Dean Search Committee 2003
Curriculum Committee 2002-2005

California State University, Chico, Department of Kinesiology
Personnel/RTP Committee 2002-2005
Curriculum Committee 1999-2005, Chair, 2003-2005
Chair, Department Chair Review Committee 2004
Scholarship Committee 1998-2000
Advisor: Pre PT/OT Club 2002-2007
CSU-Chico Merit Salary Increase (each year available): 98/99, 99/00, 00/01

Baylor University
Faculty Senate 1996-1997
Faculty Senate Executive Committee 1996-1997
University Research Committee 1996-1997
Compensation, Benefits, and Personnel 1996-1997
Wellness Advisory Committee 1988-1989

Baylor University, School of Education
Grants Network 1994-1997
Curriculum Committee 1994-1997
Policy Committee 1993, 1995-1997
Faculty Development Committee 1991-1996
Program Evaluation Committee 1993-1994

Baylor University, Department of Health, Human Performance and Recreation
HHPR Committee for Protection of Human Subjects in Research 1992-1997
Computer Support Committee 1992-1997
Graduate Advisory Council 1992-1997

University of Wisconsin—Madison, Department of Physical Education and Dance
TA Policies and Procedures Committee 1986-1988
Financial Aid Committee 1986-1988

University of Wisconsin-Oshkosh
HPER Department Advisory Committee 1982-1983

State

Texas Higher Education Coordinating Board
Kinesiology and Exercise Science Field of Study Advisory Comm. 2017-2020
Kinesiology Transfer Advisory Comm. 2022-2023

Texas State University System
Member, Regents' Professor Selection Committee 2022, 2023
Member, Hearing Tribunal Committee 2022
Member, Academy of TSUS Regents' Professors 2023-present

Professional

Editorial Board

Sports Biomechanics 2005-2027
Kinesiology Review 2021-2025
Journal of Strength and Conditioning Research 1998-2024
Associate Editor 2015-2024
Journal of Sports Sciences 2007-2020
European Journal of Sports Science Technology 2025-2026
Medicina Sportiva 2007-2009
Sportscience 1997-1999
TAHPERD Journal 1994-1996

Editorial Advisory Board: *The Human Kinetics Library* 2020-2024
Digital Resources Division, Bloomsbury Publishing

Guest Editor

Proceedings: 5th National Symposium on Teaching Biomechanics in Sports 2001
Special Issue: *Kinesiology Review* 2015

Article Reviewer

Journal of Biomechanics 1992-2024
Journal of Applied Biomechanics 1992-2024
Sports Biomechanics 2001-2026
Journal of Sports Sciences 2001-2024
Clinical Biomechanics 2015
Research Quarterly for Exercise and Sport 2000-2016
Journal of Orthopaedic and Sports Physical Therapy 2000-2022
Journal of Strength and Conditioning Research 1998-2026
Medicine and Science in Sports and Exercise 1993-2023
Journal of Biomechanical Engineering 2017-2023
Annals of Biomedical Engineering 2001-2003
Journal of Mechanical Engineering Science 2007
Medical Engineering and Physics 2010
Sports Engineering 2010-2024
Sports Technology 2010
Ergonomics 2008
Journal of Sports Engineering and Technology 2008
Journal of Science and Medicine in Sport 2012-2013
Kinesiology Review 2015-2026
Physical Therapy 1991-2018
European Journal of Sport Science 2010-2026
Journal of Sports Science and Medicine 2004-2017
Strength and Conditioning Journal 1997-2024
British Journal of Sports Medicine 2007-2013
Sports Medicine 2010-2024
Sports Medicine International OPEN 2022
International Journal of Sports Medicine 2000-2025
Journal of Sport Rehabilitation 2024

Physical Therapy Reviews 2019
Physical Therapy in Sport 2009
Measurement in Physical Education & Exercise Science 2015-2026
Applied Physiology, Nutrition and Metabolism 2021
Quest 2019-2026
Journal of Sports Medicine and Physical Fitness 2018-2022
Journal of Functional Morphology and Kinesiology 2025
BMC Sports Science, Medicine and Rehabilitation 2022
BMC Musculoskeletal Disorders 2016
Advances in Neurodevelopmental Disorders 2024
American Journal of Human Biology 2006
International Journal of Sport Nutrition and Exercise Metabolism 2014
Anatomical Sciences Education 2018
Perceptual and Motor Skills 1987-2011
Psychological Reports 2014
Research in Sports Medicine 2014
Pediatric Exercise Science 2012-2013
Studies in Higher Education 2019
International Journal of Sports Science & Coaching 2017
Kinesiology 2013
Journal of Hospitality, Leisure, Sport & Tourism Education 2021
Journal of Medicine and Science in Tennis 2005
International SportMed Journal 2004
Applied Sciences 2024
Frontiers in Medicine 2023
Frontiers in Sports and Active Living 2022-2023
Frontiers in Bioengineering and Biotechnology 2023-2024
Frontiers in Physiology 2024
BMJ Open 2017, 2019
BMJ Evidence-Based Medicine 2018
PLoS ONE 2016-2026
IEEE Access 2023
SAGE Open 2020
Heliyon 2019-2024
PeerJ 2019-2025
Big Data 2018
Sports 2013-2025
Body & Society 2026
Accountability in Research: Ethics, Integrity & Policy 2023
Education for Chemical Engineers 2024-2025
Comprehensive Psychology 2015
Strategies 1995-2002
Science and Racket Sports 3: 3rd World Congress Science & Racket Sports 2003
International Program Committee IASTED BioMech 2005-2007

International Society of Biomechanics in Sports
Past-President 2022

President 2020-2021
President-Elect 2019
Chair, Inclusion and Equity Committee 2021-2022
Member, Hans Gros Emerging Researcher Award Committee 2022-2026
Member, Awards Committee, 2000-2009, 2019-2026
Member, *Sports Biomechanics*, Associate Editor Search Committee 2017, 2020
Member, *Sports Biomechanics* Editor-in-Chief Search Committee 2012-2013
Vice President for Publications 2007-2012
Director, 2001-2007, 2013-2015
Tennis Coordinator, Coaching Information Service 2000-2004
Chair, Nomination Committee 2003-2004
Scientific Committee *ISBS Conference Proceedings* 2001-2025
External Auditor, Secretary General Report 2024, 2026

American Society of Biomechanics
Clinical Biomechanics Award Committee 2017-2019

National Academy of Kinesiology
Secretary-Treasurer 2024-2026
Chair, Doctoral Program Evaluation Committee 2021-2023
Member Doctoral Program Evaluation Committee 2019-2020

American Kinesiology Association
Chair, Guidelines and Best Practices for Teaching Undergraduate Biomechanics in Kinesiology Programs 5th ed. 2025-2026
Mentor, Leadership Institute 2023-2024
Member, Council of Presidents 2021- present
Mentor, Leadership Institute 2019-2020
Member, Joint NAK/AKA Masters Rating Committee 2017-2019
President-elect 2014, President 2015, Past-President 2016
Board of Directors 2012-2014
Chair, Membership Committee 2012-2013
Undergraduate Scholar Award Committee 2011
Membership Committee 2011-present

NASPE Biomechanics Academy
Chair, NASPE Biomechanics Academy 1998
Glassow Honor Award Committee 1995-1999, 2003
Chair, Committee Guidelines Undergraduate Biomechanics
2^{nd} ed. 1990-1992, 3^{rd} ed. 1998-2003

American College of Sports Medicine
Biomechanics Interest Group Awards Committee 2012
Wilson/ACSM Sport Science Institute 2002
Author for biomechanics chapter of *ACSM's Resource Manual for Exercise Testing and Prescription* 5^{th}, 6^{th}, and 7^{th} editions

United States Tennis Association
Sport Science Committee 1999-2000, 2003-2006
Technical Committee 2006-2008
Reviewer Research Grants 1995, 1997, 1999, 2004
Sport Science Level II Test Revision 2002

High Performance Plan, Biomechanics Coaching Competencies 1998

Institute of Medicine

Reviewer, Fitness Measures & Health Outcomes in Youth Report 2012

US Department of Education, National Center for Education Statistics

Member, Technical Review Panel #56 IPEDS CIP 2020: Decennial Update June 2018-June2019. Instrumental in key updates: New biomechanics CIP code 26.0913 and inclusion of kinesiology in more codes and cross-links (i.e., title STEM code for kinesiology: 26.0908 Exercise Physiology and Kinesiology)

United States Tennis Association Texas Section

Vice-Chair, Sports Science Committee 2010-2011

National Academy of Health and Physical Literacy

Chair, Scholar Award Committee 2023

AAHPERD/SHAPE America

Chair, Guidelines for Undergraduate Biomechanics 4th ed. 2017-2018

Grant Reviewer, Research Consortium 2012

Research Consortium Credentials Committee 2000-2001, 2005-2006

Research Consortium Ethics Committee 2007-2011

SHAPE America Southern District

Member, Scholar Award Committee 2018-2020

Member, Research Council 2017-2018

International Sports Engineering Association

Scientific Committee and Awards Committee 2004

Scientific Committee, 2006, 2014, 2022

The Royal Society

Evaluator, Newton International Fellowship 2017

Swiss National Science Foundation

Evaluator, National Research Council Grants 2021

Scientific Committee Abstract/Proposal Reviewer

ISB/JSB 2023 Conference, Fukuoka University

NAHKE 2022 & 2023 Conference Proposals

ASAHPERD 2020 Health & Physical Literacy Summit

AAHPERD Research Consortium

Biomechanics/Sports Medicine 1997, 2002

Chair of Biomechanics/Sports Medicine Review Panel 2007, 2010, 2013

Motor Behavior & Measurement 2015

NATA Research and Education Foundation 1995-1998

Biomechanics Abstracts, ACSM Annual Meeting 1992-1994

Sports Biomechanics Abstracts, ASB 2007

Tenure or Promotion External Reviewer

Professor, Auburn University

Associate Professor, University of Toronto

Associate Professor, St Mary's University

Reader, Loughborough University

Professor, Swansea University

Associate Professor, University of Colorado-Colorado Springs

Professor, University of Wyoming

Associate Professor, Auburn University
Professor, Miami University
Professor, University of Ottawa
Associate Professor, Marquette University
Professor, University of Texas-Tyler
Professor, Baylor University
Professor, University of Akron
Professor, University of Texas-Permian Basin
Professor, Utah State University
Professor, University of Sydney
Professor, University of Texas, El Paso
Professor, Indiana University-Purdue University Indianapolis
Associate Professor, Texas Christian University
Associate Professor, Marquette University
Associate Professor, Michigan Technological University
Associate Professor, Auckland Institute of Technology
Associate Professor, Marquette University
Associate Professor, Indiana University-Purdue University Indianapolis
Associate Professor, University of Alberta
Associate Professor, Indiana University-Purdue University Indianapolis
Associate Professor, Ithaca College
Associate Professor, University of San Francisco
Associate Professor, Utah State University

Dissertation External Reviewer
University of Sydney
Auckland University of Technology
University of Western Australia
University of Sydney

Thesis External Reviewer
University of New South Wales

Department/Academic Program External Reviewer
Division of Kinesiology & Health, University of Wyoming
Department of Physical Therapy, Texas State University
Kinesiology, Texas A&M University, Corpus Christi
Kinesiology, University of West Florida

Consultant
Sports Science Replication Centre, Technological University Dublin, 2020-2024
Biomechanics of strength, Documentary *The Mighty Atom* 2017 Squad 47 Films.
Canadian Assessment of Physical Literacy: *Active Healthy Kids Canada,*
University of Ottawa, and the CHEO Research Institute 2012-2013
Oakland Innovation Ltd: Biomechanics consultant 2012-present
NSF 0127221 Evaluator: Network-Based Interactive Laboratory Modules
BBC Science—Sport Science: Tennis 2002
CookeAssiciates, *Sportscience and engineering in education* funded by the
British Lawn Tennis Association 2002-2003
Intercollegiate Tennis Association: Sport Science Advisory Panel 2001-2005

Cislunar/NASA Educational Project: Sport Science 2000-2002
http://wings.avkids.com/Tennis/Project/our_team.html
Federal Public Defender's Office, W District Texas: Biomechanics expert 2017
Pro/Counsul, Inc.: Biomechanics expert 2000-2004
Round Table Inc.: Biomechanics expert 2003- 2004
American Sport Education Program: 1998 USTA High Performance Coaching Manual

Texas Association for HPERD
Chair, College Administrator Section 2014
Secretary, College Administrators Section 2012
Research and Evaluation Committee 1993-1996
Chair, Measurement and Evaluation Section 1992
Secretary, Measurement and Evaluation Section 1990

Church and Community

New Braunfels Presbyterian Church
Member, Mission Study Committee 2022-2023
Member, Communications Committee 2022-2025
Member, Worship Committee 2021-2022
Ruling Elder, Communications 2019-2021
Cochair, Nominating Committee 2021
Chair, Associate Pastor Nominating Committee 2016-2017
Member, Christian Education Committee 2015-2019
Adult Sunday School Teacher 2015-2026
Vacation Bible School Assistant 2018

Quarry Spring Property Owners Association
Treasurer, 2018-present
Board Member 2017-present

First Presbyterian Church, San Marcos, TX
Ruling Elder 2011-2012
Adult Choir 2010-2012

Habitat for Humanity Volunteer 1991-2025

Mendez Elementary School, Volunteer 2011-2012

United Campus Ministry-Westley, San Marcos, TX
UCM Board Member 2010-2012

Bidwell Presbyterian Church, Chico, CA
Chancel Choir 2006-2009
Stephen Ministry Leader 2007-2009

Faith Lutheran Church, Chico, CA
Stewardship Task Force 2005
Pastoral Call Committee 2003-2004
Stephen Ministry Leader 2002-2005
Adult Sunday School Teacher 2001-2005
7th & 8th grade Sunday School Teacher 1997-2000
9th grade Confirmation Mentor 1997-1999
Adult Choir 1997-2005

El Rancho Little League
Volunteer Coach 1998, Chico, CA
St. Matthew Lutheran Church, Waco, TX
Church Council 1990-1996
Director, Witness and Wellness/Recreation Program 1991-1996
President, Men-in-Mission 1990-1991
Vacation Bible School Teacher 1989-1995
Adult Choir 1994-1996
Waco Lutheran Tri-Church Cooperation Committee 1994-1997
Woodway Family Center, Woodway, TX
Volunteer Coach 1991-1995
Midway Little League
Volunteer Coach 1995-1997
Central Texas MHMR Special Olympics 1990-1994