CURRICULUM VITAE

Cheryl A. Coker, Ph.D.
Doctorate of Physical Therapy Program
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Education:

Doctor of Philosophy
1992-1995
University of Virginia
Motor Learning with a supporting field of biomechanics
May 1995

Masters of Education
1990-1992
University of Virginia
Motor Leaning

Bachelors of Science
1985-1988
Louisiana State University (1988)
Physical Education

Work Experience:

2017 –	Professor (Tenured) Department of Physical Therapy Plymouth State University, Plymouth, NH
2011 – 2017	Professor (Tenured) Department of Health and Human Performance Plymouth State University, Plymouth, NH
2009 – 2011	Associate Professor (Tenured) Department of Health and Human Performance Plymouth State University, Plymouth, NH
2006 - 2009	Professor (Tenured) Department of Human Performance, Dance, and Recreation New Mexico State University, Las Cruces, NM

2001-2006	Associate Professor (Tenured) Department of Physical Education, Recreation and Dance New Mexico State University, Las Cruces, NM
1995- 2001	Assistant Professor (Tenure Track) Department of Physical Education, Recreation and Dance New Mexico State University, Las Cruces, NM

Publications:

Books

1. Coker, C.A. (2018). *Motor Learning and Control for Practitioners*. 4th Edition, New York, NY: Routledge.

2. Coker, C.A. (2013). *Motor Learning and Control for Practitioners*. 3rd Edition, Scottsdale, AZ: Holcomb Hathaway Publishers.

3. Coker, C.A. (2009). *Motor Learning and Control for Practitioners*. 2nd Edition, Scottsdale, AZ: Holcomb Hathaway, Publishers.

4. Coker, C.A. (2004). *Motor Learning and Control for Practitioners*. 1st Edition, St. Louis, MO: McGraw-Hill Publishing Company.

5. Biles, F., Bunker, L., Coker, C.A, Harris, B., Kluka, D. (1996). *Play for Power: Creating Leaders through Sport*. Topper, L. (Ed.) AAHPERD/NAGWS.

Book Chapters

1. Coker, C.A**.**, (In press). Motor skill learning for effective coaching and performance. In J.M. Williams and V. Krane (Eds.), *Applied Sport Psychology; Personal Growth to Peak Performance*. 7th Edition. (pp.19-39) Boston, MA: McGraw-Hill Publishing Company.

1. Coker, C.A. Motor behavior: Development, learning and control. (2015). In T.G. Reeve and L. Dornier (Eds.), *Introduction to Physical Education, Exercise Science, and Recreation.* Beijing, China: Higher Education Press.

2. Coker, C.A**.**, (2015). Motor skill learning for effective coaching and performance. In J.M. Williams and V. Krane (Eds.), *Applied Sport Psychology; Personal Growth to Peak Performance*. 7th Edition. (pp.19-39) Boston, MA: McGraw-Hill Publishing Company.

3. Coker, C.A**.**, & Fischman, M.G. (2010). Motor skill learning for effective coaching and performance. In J.M. Williams (Ed.), *Applied Sport Psychology; Personal Growth to Peak Performance*. 6th Edition. (pp. 21-41) Boston, MA: McGraw-Hill Publishing Company.

4. Coker, C.A., Fischman, M.G. & Oxendine, J.B. (2006). Motor skill learning for effective coaching and performance. In J.M. Williams (Ed.), *Applied Sport Psychology; Personal Growth to Peak Performance*. 5th Edition (pp. 17-39). St. Louis, MO: McGraw-Hill Publishing Company.

Peer Reviewed Publications

1. Coker, C.A. (In press) Kinematic effects of varying attentional instructions for standing long jump among young adolescents. *Perceptual and Motor Skills*.

2. Coker, C.A. (In press). Influence of cueing strategies on gaze behavior during observational learning. *The Physical Educator*.

3. Coker, C.A. (In press). Combining attentional focus strategies: Effects and adherence. *The Physical Educator*.

4. Coker, C.A. (2018). Improving functional movement proficiency in middle school physical education. *Research Quarterly for Exercise and Sport, 89*, 367-372.

5. Coker, C.A. (2017). Error correction: 5 Tips to FIX IT. *NSCA Coach, 4*(4), 14-16.

6. Coker, C.A. & King, M. (2017). Variable practice instruction: The merits of mixing it up. *32 Degrees: The Journal of Professional Snowsports Instruction*, 84-85.

7. Overdorf, V., Coker, C.A & Kollia, B. (2016). Perceived competence and physical activity in older adults. *Activities, Adaptations and Aging*. *40*, 285-295.

8. Coker, C.A. (2016). Optimizing external focus of attention instructions: The role of attainability. *Journal of Motor Learning and Development. 4* (1), 116-125.

9. Coker, C. A. (2014). Intervention Strategies for Performance Enhancement. *Physical and Health Education Journal, 79*(4), 14-17.

10. Overdorf, V.G. and Coker, C.A. (2013). The Efficacy of Movement Analysis and Intervention Skills. *Physical Educator, 70*(2), 195-205.

11. Lounsbery, M.F. & Coker, C.A. (2008). Developing Skill Analysis Competency in Pre-Service Physical Education Teachers. *Quest.60*, 255-267.

12. Berning J.M., Coker, C.A. & Briggs, D. (2008). Kinematic and Kinetic Analysis of the Influence of Chains on the Execution of the Power Clean. *Journal of Strength and Conditioning Research. 22*, 390-395.

13. Coker, C.A, Berning J.M. & Briggs, D. (2006). Kinematic and Kinetic Analysis of the Influence of Chains on the Execution of the Snatch. *Journal of Strength and Conditioning Research. 20*(4), 887-891.

14. Boyce, B.A., Coker, C.A., & Bunker, L.B. (2006). Pedagogy and Motor Learning Perspectives on Variability of Practice: Finding a Common Ground. *Quest, 58,* 330-343.

15. Coker, C.A. (2006). Influence of Target Location on Coincident Timing Performance. *Perceptual and Motor Skills*. 102, 231-238.

16. Morrison, M., Coker, C.A., McGuire, R. & Mickle, A. (2006). Symptomatic Bipartite Patella in a Collegiate Football Player: A Surgical Approach. *Athletic Therapy Today, 11,* 51-53.

17. Coker, C.A. (2006). To Break it Down or not Break it Down: That is the Question. *Teaching Elementary Physical Education, 17,* 26-27.

18. Coker, C.A. (2005). Correcting Faulty Mechanics: To Fix or not to Fix? *Strategies, 19*(1), 29-31.

19. Coker, C.A. (2005). Teaching tips for simplification. *Teaching Elementary Physical Education. 16,* 8-9.

20. Coker, C.A. (2005). Influence of the direction of an approaching stimulus on the coincident timing performance of a ballistic striking task. *Perceptual and Motor Skills*. 100, 859-860.

21. Coker, C.A. (2005). Practice Setting Modification and Skill Acquisition. *The Physical Educator, 62,* 26-31.

22. Berning, J.M., Coker, C.A. & Adams, K.J. (2004). Using Chains for Strength and Conditioning. *Strength and Conditioning Journal, 26*(5), 2-6.

23. Coker, C.A. & Pedersen, S.J. (2004). Context and Test-Retest reliability of Kolb's Learning Styles Inventory. *Psychological Reports, 95,* 180-182.

24. Coker, C.A. (2004). Bilateral Symmetry in Coincident Timing: A Preliminary Investigation. *Perceptual and Motor Skills. 98,* 359-365.

25. Coker, C.A., Bugbee, F. Huber, A., Cook, M. (2004). Postural sway of percussionists: A preliminary investigation. *Medical Problems in Performing Artists, 19*; 34-38.

26. Coker, C.A. (2000). Consistency of learning styles of undergraduate athletic training students across the traditional classroom vs. the clinical setting. *Journal of Athletic Training, 35* (4); 441-444.

27. Kujawa, R. & Coker, C.A. (2000). An Examination of the Influence of Coaching Certification and the Presence of an Athletic Trainer on the Extent of Sport Safety Knowledge of Coaches. *Applied Research in Coaching and Athletics Annual, 15*; 14-23.

28. Coker, C.A. & Mickle, A. (2000). The Iceberg Profiles' stability as a function of perceived difficulty in defeating an opponent. *Perceptual and Motor Skills, 90,* 1135-1138.

29. Coker, C.A. (1999) Time management: Strategies for increasing student engagement. *Journal of Physical Education, Recreation and Dance. 7*(5); 15-16.

30. Coker, C.A. (1998). Effect of two arm techniques on response time of rocker start in fastpitch softball. *Applied Research in Coaching and Athletics Annual, 13;* 77-84.

31. Coker, C.A. (1998). The rocker start. *Strategies, 11*(6); 5-7.

32. Coker, C.A. (1998). You Can't Fix It If You Don't See It. Observation Strategies For Skill Analysis. *Strategies, 11*(4); 17-19.

33. Coker, C.A. (1998). Making the Most of Natural Speed. *Strategies, 11*(3); 10-12.

34. Coker, C.A. (1996). Accommodating students' learning styles in physical education. *Journal of Physical Education, Recreation and Dance. 67*(9), 66-68.

35. Coker, C.A. (1995). Learning style consistency across cognitive and motor settings. *Perceptual and Motor Skills, 81*, 1123-1126.

Peer Reviewed Abstracts

1. Coker, C.A. (2018). Fundamental motor skill proficiency of young adolescents *Journal of Exercise and Sport Psychology, 40, (Suppl.):* 43.

2. Coker, C.A. & Collins, S.M. (2017). Association of Functional Movement Screen performance with perceived and actual motor skill competence in middle school physical education students. *Journal of Exercise and Sport Psychology, 39, (Suppl.):* 53.

3. Coker, C.A. & Collins, S.M. (2017). Relationship between body mass index and functional movement, perceived physical competence and motor skill proficiency in middle school students. *Journal of Exercise and Sport Psychology, 39, (Suppl.):* 53.

4. Coker, C.A. (2017). Functional movement intervention effects in middle school physical education students. *Research Quarterly for Exercise and Spo*rt, *88(Suppl.):* A-56. .

5. Coker, C.A. (2016). Effects of attentional focus instructions on standing long jump performance in young adolescents. *Journal of Exercise and Sport Psychology, 38, (Suppl.):* S56.

6. Coker, C.A. (2015). Internal focus cue specificity: Are the benefits of an external focus a function of a misdirected internal focus? *Journal of Exercise and Sport Psychology, (Suppl.):* S35.

7. Coker, C.A. (2014). How far is too far? Perceived attainability and the distance effect of an external focus of attention. *Journal of Exercise and Sport Psychology, (Suppl.):* S26.

8. Coker, C.A. & Johnson, L.V. (2013). Perceived vs. actual competence in fundamental skill performance in pre-service physical education teachers. *Journal of Sport and Exercise Psychology, 35(Suppl.):* S63.

9. Coker, C.A. (2010). Practice schedules and putting distance accuracy. *Research Quarterly for Exercise and Sport, 81, (Suppl.):* A-36-37.

10. Coker, C.A. (2008). Kinematic influence of attentional focus on putting. *Journal of Sport and Exercise Psychology, 30, (Suppl.):* S72.

11. Coker, C.A. (2007). The role of verbal cues in visual search behavior during observational learning. *Journal of Sport and Exercise Psychology, 29, (Suppl.):* S63

12. Coker, C.A. & Hunfalvay, M. (2006). Visual search behavior during observational learning. *Journal of Sport and Exercise Psychology, 28, (Suppl.):* S52.

13. Coker, C.A. (2005). The influence of instructions that combined both internal and external foci on skill acquisition. *Journal of Sport and Exercise Psychology, 27 (Suppl.):* S49.

14. Berning, J. M., Coker, C.A., Briggs, D. & Adams, K.J. (2005). Kinematic and kinetic analysis of the influence of chains on the execution of the clean. *Medicine and Science in Sports and Exercise, 37(Suppl.):* 5.

15. Coker, C.A. (2005). Influence of bassin anticipation timer stimulus presentation methods. *Research Quarterly for Exercise and Sport, 76 (Suppl*.): A-54.

16. Coker, C.A., Berning, J.M., & Briggs, D. (2005). A kinematic and kinetic analysis of the influence of chains on the technical execution of the snatch. *Research Quarterly for Exercise and Sport, 76 (Suppl.)*: A-24.

17. Coker, C.A. (2003). Influence of the direction of an approaching stimulus on coincident timing. *Research Quarterly for Exercise and Sport, 74 (Suppl.)*: A-29.

18. Coker, C.A. (2001). Bilateral symmetry in coincident timing. *Research Quarterly for Exercise and Sport, 72 (Suppl.):* A-45-46.

19. Coker, C.A. (2000). Research works: teaching approach depends on skill level. *Journal of Physical Education, Recreation and Dance, 71*(7), 6.

20. Chavez, J.N. & Coker, C.A. (2000). Effect of practice sequence on the bilateral acquisition of a novel motor skill. *Research Quarterly for Exercise and Sport,71(Suppl.);* A-55.

21. Darden, G.F. & Coker, C.A. (1996). Training the sprint start: The effect of attentional focus on reaction and movement times. *Journal of Strength and Conditioning Research, 10*(4), 284.

Non-Peer Reviewed Publications

1. Coker, C. A. (2017, January 23) Ancora Imparo [Blog post]. http://www.plymouth.edu/department/physical-therapy/329/ancora-imparo/

2. Coker, C.A. (2016). Author Feature: Motor Learning at Attitash Ski School, *Kinesiology Faculty Newsletter*, Holcomb Hathaway Publishers.

3. Coker, C.A. (2008). Feedback traps. *Olympic Coach*. *20* (1), 19.

4. Coker, C.A., Bugbee, F., Huber, A. & Cook, M. (2005) Percussion Performance Development through Flexibility Training. *Percussive Notes. 43*(2), 78-79.

5. Coker, C.A. (1998). The importance of a coach. In D.L. Greenberg (Ed.), *Sports In The Lives Of Girls: A Resource Manual For Girls' Sports In Urban Centers*. (pp. 28-29). East Meadow, NY: Women's Sports Foundation.

6. Coker, C.A. (1998) Characteristics of effective coaches. In D.L. Greenberg (Ed.), *Sports In The Lives Of Girls: A Resource Manual For Girls' Sports In Urban Centers.* (pp. 32-33). East Meadow, NY: Women's Sports Foundation.

7. Coker, C.A. (1998). The coach as motivator. In D.L. Greenberg (Ed.), *Sports In The Lives Of Girls: A Resource Manual For Girls' Sports In Urban Centers*. (pp. 34). East Meadow, NY: Women's Sports Foundation.

8. Coker, C.A. (1998) Learning styles and coaching. In D.L. Greenberg (Ed.), *Sports In The Lives Of Girls: A Resource Manual For Girls' Sports In Urban Centers*.(pp. 35-36). East Meadow, NY: Women's Sports Foundation.

9. Coker, C.A. (1997). Optimizing Baserunning in Women's Collegiate Fastpitch Softball. *Fastpitch World, 10* (8), 16.

10. Coker, C.A. (1996). Collaboration = elaboration of understanding. *American Society of Biomechanics Newsletter, 9*(1): p.5

11. Darden, G.F. & Coker, C.A. (1996). Starting: What to think about. *Scholastic Coach, 65*(7), p. 54-56.

12. Coker, C.A. (1995). Kinematic and Outcome Effects of Combining Knowledge of performance with Constant Versus Alternating Intrinsic Knowledge of Results on the Acquisition of a Complex, Multiple Degree of Freedom, Closed Skill. *Microfilm Publications.*

13. Coker, C.A. (1994). Improving speed - back to basics: Designing a speed development program. *Fastpitch World, 7*(3):11-12.

14. Coker, C.A. (1994). Improving speed - back to basics: Form running drills. *Fastpitch World, 7*(1): 23-24.

15. Coker, C.A. (1993). Improving speed - back to basics. *Fastpitch World, 6*(10): 8.

Professional Presentations:

Invited

1. Coker, C.A. Y*outh Skiing Development: A Long Term Approach (Keynote Address),* New England Bill Koch League Youth Skiing Symposium. Holderness, NH, October 2018.

2. Coker, C.A. *Long Term Female Athlete Development: From Playground to Podium*. EDAAHPERD. Selected to deliver the Margaret Paulding Lecture, Rye, NY, February, 2010.

3. Coker, C.A. *Professional Involvement*, as part of the Student Leadership Development Seminar, AAHPERD, Tampa, April 2009.

4. Coker, C.A. *Practice Strategies* as part of the session Practical Applications for Research in Motor Development and Learning, AAHPERD, Salt Lake City, April 2006.

5. Coker, C.A. *Intervention Strategies for High Performance Athletes.* U.S. Track and Field Sprint/Hurdles High Performance Coaching Seminar, Las Vegas, NV. December 2004.

6. Coker, C.A. *Solving the Puzzle of Title IX and Coed Physical Education.* PIT (Putting It All Together for Kids) Conference, Utah State Office of Education, Snowbird, UT. June 2002.

7. Coker, C.A. *Demystifying the Learning Process*. PIT (Putting It All Together for Kids) Conference, Utah State Office of Education, Snowbird, UT. June 2002.

8. Coker, C.A. *Interactive Professional Development Session for Future Professionals*, AAHPERD, Boston, MA. April 1999

9. Coker, C.A. *NASPE Coaching Clinic*, St. Louis. March l997.

10. Coker, C.A. *A Coaching Education Model for implementing National Association for Sport and Physical Education's Level I, National Standards for Coaches.* AAHPERD, St. Louis. March l997.

11. Coker, C.A. *National Association for Girls and Women in Sport Professional Development & Leadership, Women Moving Ahead: Becoming Involved with NAGWS.* AAHPERD, St. Louis. March, l997.

12. Coker. *Peak Performance & Sport Psychology Workshop/Panel*, Southwest District AHPERD, Albuquerque, NM. February 1997.

13. Coker, C.A. *NASPE Coaching Clinic*, Atlanta, GA. April l996.

National and International

1. Coker, C.A *Functional Movement Intervention Effects in Middle School Physical Education Students*. SHAPE America, Boston, March 2017

2. Coker, C.A. *Well Why Didn't You Say So?* SHAPE America, Seattle, WA, March 2015.

3. Overdorf, V. & Coker, C.A. *Perceived competence and physical activity in older female adults*. International Association for Physical Education in Higher Education (AIESEP) World Congress, Auckland, New Zealand, February 2014.

4. Coker, C.A. & Johnson, L.V. *Mission Possible: Achieving NASPE Standard 2 in Secondary Physical Education*. AAHPERD, Boston, MA, March 2012. Convention Cancelled.

5. Coker, C.A. & Overdorf, V. *Improving Movement Analysis and Intervention Skills in Professionals*. International Association for Physical Education in Higher Education (AIESEP), Limerick, Ireland, June 2011.

6. Coker, C.A. & Overdorf, V. *Developing Skill Analysis Competency*. AAHPERD, San Diego, CA, March 2011.

7. Coker, C.A. *Intervention Strategies for Performance Enhancement*, AAHPERD, Indianapolis, IN. March 2010.

8. Coker, C.A. *Practice Schedules and Putting Distance Accuracy*. AAHPERD, Indianapolis, IN March 2010.

9. Coker, C.A., & Cuccina, I. *Optimizing Skill Acquisition and Performance in Winter Sports*. Accepted for presentation at AAPAR Get Out Conference, Laconia, NH December, 2009 – Convention Cancelled.

10. Overdorf, V., Abrahams, L. & Coker, C.A. *Controlling a System to Enhance Skill Acquisition*. AAHPERD, Fort Worth, TX. April 2008

11. Coker, C.A. & Overdorf, V. *Maximizing Learning: Motor Learning Findings Applied.* AAHPERD, Baltimore, MD, March, 2007.

12. Hunfalvay, M & Coker, C.A. *Teaching Effective Vision for Athletic Performance*. AAHPERD, Baltimore, MD, March, 2007.

13. Coker, C.A. & Boyce, B.A. *Pedagogy and Motor Learning Perspectives on Variability of Practice: Finding a Common Ground.* National Physical Education Teacher Education Conference, Long Beach, CA., October 2006.

14. Hunfalvay, M. & Coker, C.A. *The Impact of Vision on Athletic Performance*. (poster) AAHPERD, Salt Lake City, UT., April 2006.

15. Coker, C.A. (Organizer and presenter), Bryden, P., Darden. G.F., Hall, K.G., Hebert, E., Magill, R.A. Meeuwsen, H., Overdorf, G. and Wood, C. *Teaching Undergraduate Motor Learning: Sharing Our Passion and Our Strengths.* AAHPERD Half-Day In-Depth Workshop. New Orleans, LA. April 2004.

16. Coker, C.A. & Hunfalvay, M. *Progressions and Practice*. AAHPERD. New Orleans, LA April 2004.

17. Lounsbery, M.F. & Coker, C.A. *Developing Pre-Service Physical Education Teacher Competency in Motor Performance Error Detection and Correction*, National Physical Education Teacher Education Conference, Baton Rouge, LA October 2003.

18. Darden, G.F. & Coker, C.A. *Motor Learning and the National Content Standards for Physical Education: Refreshing Concepts, Making New Connections.* AAHPERD. Philadelphia, PA. April 2003.

19. Abendroth-Smith, J., Lounsbery, M., and Coker, C. *Infusing Sport Science into Secondary Physical Education*. AAHPERD. San Diego, CA. April 2002.

20. Bunker, L.K., Byers, B., Jackson, B., Ciapponi, T., Coker, C.A., & Darden, G.F. *Motor Learning in the Gymnasium: Practical Applications of Contemporary Research.* AAHPERD. Cincinnati, OH. April 2001.

21. Coker, C.A. & Olson, T. *Learning Styles and Motor Skill Acquisition: Are You Communicating Effectively?* AAHPERD. Orlando, FL. March 2000.

22. Coker, C.A. *Teaching Progression for the Throwing Events.* AAHPERD. Boston, MA. April 1999

23. Coker, C.A. *Learning About Learning Styles.* (poster) Athletic Training Educators' Conference. Dallas, TX. January 1999.

24. Lounsbery, M.F., Abendroth-Smith, J., Harmer, P., Coehlo, A., Repovich, W., Coker, C., Bonnette, B. Blackwell, J., & Heath, E. *Sub-Disciplinary Collaboration within Physical Education: A Panel Discussion*. National Association for Physical Education in Higher Education, San Diego, CA. January 1999.

25. Bonnette, R. & Coker, C.A. *Developmental Activities for Youth Sport*, AAHPERD, Reno, NV. April 1998

26. Bunker, L.K., Boyce, B.A., Coker, C.A., and Darden, G. *Case studies as professional scholarship and a teaching methodology for problem solving.* NAPEHE, Palm Springs, CA. January 1995.

27. Bunker, L.K. & Coker, C.A., *Links to leadership: Building sport leadership skills for girls and women.* AAHPERD, Denver, CO., April 1994.

Regional and State

1. Coker, C.A. *Strength and Conditioning: How vs How Much*. NHAHPERD, November 2016.

2. Coker, C.A., George, R. & Savage, L. *Functional Movement Screen - Developing Good Movers Part I*, NHAHPERD, November 2015.

3. Coker, C.A., George, R. & Savage, L. *Functional Movement Screen - Developing Good Movers Part II*, NHAHPERD, November 2015.

4. Coker, C.A. *Motor Skill Instruction Best Practices – What the Research Says May Surprise You!* Eastern District of SHAPE America, Springfield, MA, February, 2015.

5. Coker, C.A. *Well Why Didn't You Say So?* NH NSCA, Plymouth, NH, September, 2014.

6. Coker, C.A., Cooper, C., & McGuigan, M. *Intervention Strategies for Skill Development and Performance Enhancement*. EDAAHPERD, Newport, RI, February, 2014.

7. Coker, C.A., Cooper, C., & McGuigan, M. *Intervention Strategies for Skill Development*. NHAPERD, Waterville Valley, NH, November, 2013.

8. Coker, C.A., Fuccillo, A., Capaldo, P., & Foglia, A. *Skill Development for Football: Challenging Tradition*. NHAHPERD, Waterville Valley, NH, November, 2012.

9. Johnson, L.V. & Coker, C.A. *Mission Possible: Activities for Achieving NASPE Standard 2 in Secondary Physical Education.* NHAHPERD, Waterville Valley, NH, November, 2012.

10. Coker, C.A. *Diagnosing Errors: Basic Movement Principles.* NHAHPERD, Waterville Valley, NH, November, 2011.

11. Overdorf, V. & Coker, C.A. *Five Tips for Improving Anticipatory Skills*, EDAAHPERD, Long Branch, NJ, February, 2011.

12. Coker, C.A. *Motor Learning Challenge: More Best Practices for Skill Acquisition*, NHAHPERD, Waterville Valley, NH, November, 2010.

13. Coker, C.A. *Skill Analysis: More than Meets the Eye.* EDAAHPERD, Rye, NY. February 2010

14. Coker, C.A. *Motor Learning Challenge: Best Practices for Skill Acquisition*. NHAHPERD, Waterville Valley, NH. November 2009

15. Coker, C.A. *Southwest District Town Hall Meeting*, SWDAAHPERD, Phoenix, AZ. January 2009.

16. Coker, C.A. *Southwest District Town Hall Meeting*, SWDAAHPERD, Waikoloa, HI. June, 2008.

17. Coker, C.A. *Best Practices for Skill Acquisition: Test Your Knowledge!* NMAHPERD, Albuquerque, NM. October 2007.

18. Coker, C.A. & Westfal, S. *User-Friendly Motor Learning for the Physical Educator*, SWDAHPERD, Reno, NV. January, 2007.

19. Coker, C.A.*SWD Scholar Lecture: Motor Learning for Practitioners – How Far Have We Come*? SWDAHPERD, Salt Lake City, UT. April 2006.

20. Coker, C.A. *Influence of Practice Setting Modification on Skill Acquisition.* (poster) SWDAHPERD. Scottsdale, AZ. February 2005.

21. Coker, C.A. & Lounsbery, M.F. *You've Identified a Performance Error. Now What?* SWDAHPERD. Santa Ana, NM. February 2004.

22. Coker, C.A. *Diagnosing Errors: Beyond Technique*. SWDAHPERD, Reno, NV. February 2003.

23. Coker, C.A., & Lounsbery, M.F. *Beyond the Competitive Arena: Creating Alternative Physical Activity Programs for Girls*. SWDAHPERD, Reno, NV. February 2003.

24. Coker, C.A. *Decision Making: Key to Successful Performance* SWDAHPERD, Park City, UT. June 2001.

25. Coker, C.A. & Moffitt, J. *Implementing Title IX in Physical Education*. SWDAHPERD, Park City, UT. June 2001.

26. Coker, C.A. *Relationship between Novice Teachers' Learning Style And Teaching Style: A Pilot Study* (poster). NMAHPERD, Santa Fe, NM. October 2000

27. Coker, C.A. *Are You Wasting Precious Practice Time?* SWDAHPERD, Oahu, HI. June 2000.

28. Coker, C.A. *Consistency of Learning Styles of Undergraduate Athletic Training Students across Traditional Classroom vs. Clinical Settings* (poster). Rocky Mountain Educational Research Association, Las Cruces, NM . October, 1999.

29. Coker, C.A. *Improving Speed: Back to Basics*, SWDAHPERD, Tucson, AZ. February, 1999.

30. Coker, C.A., Andrews, K., Chavez, J., Hernandez, E., and Thomas, J. *Physical Education for Life*, New Mexico Counselors and Principals Conference, Las Cruces, NM. Nov. 1998

31. Coker, C.A. *Designing a Developmentally Appropriate Training Program*, NMAHPERD, Las Vegas, NM. Oct. 1998

32. Invited Speaker. *Preparing For Life after Graduation: Now What?* NMAHPERD Convention, Clovis, NM. October, 1997.

33. Coker, C.A. & Darden, G.F. *Performance Repair: Teaching Tools to Find and Fix Errors*, Southern District, New Orleans, LA. February 1997.

34. Coker, C.A. *Basic Movement Principles: How to Correct the Cause not the Symptom*, SWDAHPERD, Albuquerque, NM. February 1997

35. Coker, C.A. *Kinematic and Outcome Effects of Combining Knowledge of Performance with Constant vs. Alternating Intrinsic Knowledge of Results* (poster). SWDAHPERD, Albuquerque, NM. February 1997

36. Coker, C.A. *Increasing teaching effectiveness using learning styles*. NMAHPERD. Los Lunas, NM. October, 1995.

37. Coker, C.A. *Learning style consistency across cognitive and motor domains*. Southern District AAHPERD. Orlando, FL. February, 1995.

38. Coker, C.A. & Darden, G.F. *The effect of attentional focus on sprint start times of novices*. Southern District AAHPERD. Orlando, FL. February, 1995.

39. Coker, C.A. *Learning styles: Their role in communication, understanding and skill acquisition.* University of Virginia Sports Psychology Conference, July, 1994.

40. Coker, C.A. & Darden, G. *The effect of attentional focus of novices performing sprint starts using the three point stance.* Southeast Sport and Exercise Psychology Symposium, Greensboro, N.C. February 26, 1994.

41. Coker, C.A. & Darden, G. *The role of learning styles on motor skill acquisition.* Southeast Sport and Exercise Psychology Symposium, Greensboro, N.C. February 25, 1994.

Workshops and University Presentations

August 2016	Hagar, A. & Coker, C.A. T*he Importance of Practice*. Plymouth State University Panther Days New Student Orientation.
December 2014	*Creating Skilled Movers*, Professional Ski Instructors Workshop Attitash and Wildcat Mountains.
August 2013	*Course Transformation through Team Based Learning*, Faculty Week, Plymouth State University

November, 2004	*Motor Learning and Biomechanics*; New Mexico Principals and Counselors' conference
November, 2003	*Brain Gym*; New Mexico State University Special Education Pre-Service Teacher Workshop.
March, 1998 & 99	*Throwing Events*; New Mexico Senior Olympics Sport Skills Workshop
January, 1997	Bonnette, R. & Coker, C.A**.** *Modifying Physical Education to Increase Student Engagement: A New Way to Teach Traditional Sports*; Creative Concepts Caravan. NMAHPERD, NMSU
October, 1996	*Mountain Biking Techniques;* Intramural Women's Instructional Program
August, 1996	*Effective Teaching Strategies;* Basic Instruction Program In-service, New Mexico State University
July, 1996	*Basic Anatomy*; NMSU High School Athletic Training Workshop, New Mexico State University
June, 1996	*Performance Repair*; NMSU Sport Camp Training Workshop. New Mexico State University
May, 1996	*Speed Development for Softball*; Radford University Softball
February, 1996 & Nov., 1996	*Career/Graduate School Information*; Dept. of PERD, New Mexico State University
February, 1996	*Strength Training for Women;* National Girls and Women in Sport Day, New Mexico State University
January 1993, 1994	*Sprinting and Starting Techniques - Analysis and Correction;* University of Virginia Strength and Conditioning Staff
August 1993, 1994	*Instructor Effectiveness*; University of Virginia Service Physical Education
March 1993	*Flexibility testing/workshop*; Health Fair; Richmond, VA.
January 1993	*Flexibility testing/workshops*; Federal Executive Institute; Charlottesville, VA.
July 1993	*Speed Development for Field Hockey*; University of Virginia Elite Field Hockey Camp

July, 1993	*Speed Development for Softball*; Princeton University Softball Camp
April 1992	*Javelin - Technical Workshop*; Washington and Lee University

Funded Grant Activity:

1. Laser vision with GyroCoach, PSU Technology Innovation Project Grant, ATOEC, $599.00 (Submitted March, 2018)

2. Making motor control and performance visible, PSU Technology Innovation Project Grant, ATOEC, $2188.75 (January, 2017)

3. Longitudinal changes in Functional Movement Screen Scores in middle school physical education students. Plymouth State University Faculty Research & Scholarship Fund Grant, $4800.00 (November, 2014).

4. Internal focus cue specificity. Plymouth State University Faculty Research & Scholarship Fund Grant, $515.00 (November, 2013).

5. Ma, O., Paz, R., Coker, C. & Sarkodie-Gyan, T. An Innovative Technology and Facility for Dual Uses: Enhancing Human Modeling and Locomotion Rehabilitation, National Institute for Health, DHHS, $967,935.00 (April, 2009; status unknown, change of employment).

6. Effects of load placement in the MOLLE on the kinematics and kinetics of women's gait. NMSU College of Education Mini-Research Grant, $992. (March, 2009).

7. Eye Response Technologies, INC. In-kind equipment contract $30,000 (2004-2006).

8. SMARTer Kids Foundation. Professional Development Grant, $630. (July, 2003).

9. LSI Research Materials Contract, HayGroup. $1200. (May, 2002)

10. Lounsbery, M.F. & Coker, C.A. Development of a Teacher Perceptual Mode Observation Instrument. Faculty Pilot Data Grant Program, College of Education, Bureau of Research Services, Utah State University. $2934.00 (October, 2000)

11. Relationship between teachers learning styles and teaching styles. Center for Teaching Excellence, Eastern New Mexico University. $660.70 (April, 1998).

Current/Active Research Activity:

1. Coker, C.A. Subtle changes in wording affect performance. *Kinesiology*. *Under review*

2. Coker, C.A. & Collins, S.M. Association of Functional Movement Screen performance with perceived and actual motor skill competence in middle school physical education students. *Manuscript in preparation*

3. Coker, C.A. & Collins, S.M. Relationship between body mass index and functional movement, perceived physical competence and motor skill proficiency in middle school students. *Manuscript in preparation*

4. Coker, C.A. Dysfunctional movement in young adolescents. *Data analysis.*

Membership in Scientific/ Professional Organizations:

Memberships

APTA: American Physical Therapy Association (Faculty Partner)
SHAPE: Society of Health and Physical Educators, Life Member, Research Fellow
North American Society, Fellow
NASPSPA: North American Society for the Psychology of Sport and Physical Activity
Phi Epsilon Kappa
Eastern District SHAPE

National Service

2012 – 2013	Past Chair, Motor Development and Learning Research Academy
2012	Presider, Measurement and Motor Behavior Research Poster Session, Research Consortium, AAHPERD National Convention (convention cancelled).
2011 - 2012	Chair, Motor Development and Learning Research Academy, NASPE
2010 - 2011	Organizational Planning Committee, AAHPERD
2010 - 2011	Content Workgroup, AAHPERD, Co-Facilitator
2010 - 2011	Structure and Function Committee, AAHPERD
2010 - 2011	Chair-Elect, Motor Development and Learning Research Academy, NASPE.
2010	Motor Behavior Review Panel Chair for the Research Consortium Conference of the 2011 AAHPERD National Convention
2008 - 2009	Nominating Committee, Research Consortium, AAHPERD
2008 - 2009	Review Committee for Southwest District for the Criteria for Success (CFS) assessment program
2006 - 2008	Teaching and Communication Task Force for the National Standards for Sport Coaches, NASPE
2005 - 2007	Alliance Scholar Committee, AAHPERD (member 2005-06, Chair 2006-07)
1997 - 1999	Volunteer Committee, NAGWS (Chair)
1997 - 1999	Womentoring Program, NAGWS (Program Coordinator)

Regional Service

2012-2014	Chair, Margaret Paulding Lecturer Selection Committee, Eastern District of AAHPERD
2010 – 2012	Margaret Paulding Lecturer Selection Committee, Eastern District of AAHPERD
2009	Past-President, Southwest District of AAHPERD
2009	Strategic Planning Committee Chair, Southwest District of AAHPERD
2009	Nominating Committee Chair, Southwest District of AAHPERD
2007-2009	Budget and Finance Committee, Southwest District of AAHPERD
2007-2009	2009 Southwest District/AzAHPERD Convention Planning Committee
2008-2009	President, Southwest District of AAHPERD
2007-2008	President-Elect, Southwest District AAHPERD.
2007-2008	Constitution and Codes Chair, Southwest District
2006	Vice-President Elect for Research, Southwest District AAHPERD.
2000-2003	Elect, Chair and Past Vice-President, Research, Southwest District AAHPERD
1999-2000	Southwest District Reorganization Ad Hoc Committee
1999-2000	Southwest District Nominating Committee, NM Representative
1997-2000	Elect, Chair and Past Vice-President, Professional Education, Southwest District AAHPERD
1996-97	Southwest District AAHPERD 1997 Convention Program Review Committee
1996-97	Southwest District Convention Coaching Seminar Organizing Committee

State Service

2006	Content Advisory Committee for Physical Education, New Mexico Teacher Assessments
2003-2004	Awards Committee, NMAHPERD
1998	VP, Division of Physical Education, NMAHPERD
1998	Curriculum materials reviewer, Health and Physical Education; State of New Mexico
1995-1996	VP, Research Section NMAHPERD
1995-1996	NMAHPERD Grant Committee

Editorial Responsibilities

Editorial Boards

Women in Sport and Physical Activity Journal, Section Editor, Motor Behavior Aspects (2007 - 2009)

The Physical Educator (2001 – 2004)

Review Activity

Books

Coker, C.A. (2004). Reviewer – 1st draft. Assessing Concepts: Secondary Motor Learning. Reviewed for the National Association for Sport and Physical Education.

Coker, C.A. (2004). Reviewer. Introductory Biomechanics. Table of contents reviewed for Benjamin Cummings.

Conferences

Interdisciplinary abstracts for the Research Consortium for the AAHPERD National Convention in 2012

Pedagogy abstracts for the Research Consortium for the AAHPERD National Convention in 2007, 2008

Motor behavior abstracts for the Research Consortium for the AAHPERD National Convention in 2005, 2009, 2011 (Chair), 2013, 2014

Guest Reviewer

Quest
Journal of Motor Learning and Development
Psychological Research
European Physical Education Review
European Journal of Sport Science
Journal of Health, Physical Education, Recreation and Dance
Journal of the International Council for Health, Physical Education, Recreation, Sport and Dance
Journal of Motor Learning and Development
Journal of Sports Sciences
Medical Science Monitor International Reviewers Panel
Perceptual and Motor Skills
Research Quarterly for Exercise and Sport
Women in Sport and Physical Activity Journal

Curriculum Materials Reviewer

Curriculum materials reviewer for health and physical activity. State of NM, 1998

Consulting:

2014 – 2016 Attitash Ski/Snowboard Instructor Program

1995-1999 NMSU Softball Team

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

Plymouth State University

University

2017 – present	Representative, Graduate Council
2010- 2011	Honors Council (filled short term vacancy)

Departmental

Doctorate of Physical Therapy Program

2017- present	Chair, Promotion and Tenure Committee
2018 – present	DPT Faculty Position Search Committee

Department of Health and Human Performance

2016 - 2017	DPT Faculty Position Search Committee
2015 - 2016	Exercise Physiology Faculty Position Search Committee
2009 - 2016	Assistant faculty advisor HHP Majors Club
2015 - 2016	Exercise Physiology Position Search Committee
2011 - 2014	Promotion and Tenure Committee (Chair)
2012 – 2013	Exercise Physiology Position Search Committee
2009 - 2010	Promotion and Tenure Committee

New Mexico State University

University

2008-2009	University Health and Wellness Committee
2005-2007	NMSU Foundations of Excellence Project
2001-2004	Athletic Council, Secretary
2001-2004	Equity, Welfare and Sportsmanship Committee, Athletics
2001-2004	Governance Committee, Athletics
2002	Governance Sub-Committee for NMSU Interim Report for NCAA Re-Certification
1995-99	General Education Committee (Alternate)
1997	Head Softball Coach Search Committee, Athletics
1996-97	Academic and Support Program Review Team, Office of Distance Education and Weekend College

College

2009	College Council
2009	Research Committee
2008 - 2009	Academic Programs Committee
2005 - 2008	Conceptual Framework Committee (NCATE)
2002 - 2006	Faculty Affairs Committee
2001 - 2006	Promotion and Tenure Committee
1999 - 2003	Chair, Academic Programs Committee
1999 - 2003	College Council
2001 - 2002	Governance Structure Task Force (NCATE)
2001 - 2002	Curricular Efficiency & Faculty Loads Task Force (NCATE)
1996 - 1999	Graduate Affairs Committee
1998	Diversity and Multicultural Committee (Co-chair)
1998	Spring Retreat Committee
1995-96	Teacher Education Committee, College of Education

Departmental

2008-2009	Chair, ATEP Director Search Committee
2008-2009	Human Performance Position Search Committee
2001-2009	Chair, Academic Programs Committee
2007-2009	Dept. Head Search Committee
2002 - 2007	Kinesiology Club Faculty Advisor
2006 – 2007	Chair, ATEP Director Search Committee
1995-2003	Delamater Scholarship Committee
2002-2003	Library Liaison for Dept. of PERD
2003	Chair, Exercise Science Position Search Committee
2003	Chair, Pedagogy Position Search Committee
2003	Chair, Generalist Position Search Committee
2001-2002	PERD Department Head Search Committee
2001-2002	PERD Position Search Committee
1996-2002	Women in Sport Day Planning Committee
2000-2001	PERD Public Relations Committee
1999-2001	NMSU Athletic Training Education Program Self-Study Committee
1995-2001	Kinesiology Club Faculty Advisor
1995-2000	Curriculum Committee
2000	Natatorium Director Search Committee
1999	Pedagogy Search Committee
1997	Motor Development/Adapted PE Position Search Committee
1996	Pedagogy Position Search Committee

University of Virginia

1995	Women in Sport Day planning committee

1993-94	Gopher Committee (Campus Wide Information Server for Internet), Curry School of Education
1994 (March)	Facilitator, The Virginia School-University Partnership's 4th annual spring conference: Building Community in our High School

Louisiana State University

1987	Student Disciplinary Decision Committee, Leisure Sport Department, Louisiana State University

Honors and Awards:

2013	Honor Award, Society of Health and Physical Educators
2013	Fellow, North American Society
2010	Southwest District Presidential Citation
2010	Margaret Paulding Lecturer, Eastern District AAHPERD
2007	NMAHPERD Professional Honor Award
2006	3rd place, University Research Council Poster Fair, NMSU
2006	Southwest District AAHPERD Scholar
2005	Nominated by the College of Education for the NMSU Westhafer Award for Excellence in Teaching
2003	Southwest District AAHPERD Honor Award
2002	Research Fellow, Society of Health and Physical Educators
2001	NMAHPERD Professional Merit Award
1999	Project Inspiration, National Association of Sport and Physical Education
1998-1999	Dean's Scholarship Award, College of Education, New Mexico State University
1998	Presidential Award, National Association for Girls and Women in Sport
1998	Pathfinder Award, National Association for Girls and Women in Sport
1998	Donald C. Roush Award for Teaching Excellence, New Mexico State University
1995	Phi Delta Kappa, University of Virginia
1992-1995	Graduate Fellowship, University of Virginia
1984-1992	Member, Canadian Track and Field Team
1988	Athletic Director's Award for Academic Excellence, Louisiana State University
1987	All-American, Track and Field, Louisiana State University
1987	National Collegiate Women's Award, Louisiana State University

Current Teaching Responsibilities

Fall, Term 2
PTH6120 Neuroscience
PTH6122 Dynamic Systems I: Movement and adaptation

Spring, Term 3
PTH6132 Movement Systems