

FACULTY VITA

BRIAN L. CASTER

Associate Professor of Health and Physical Education

Western Oregon University, Division of Health and Physical Education

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1. Academic Degrees

Ph.D.	1996	University of Oregon	Biomechanics / Motor Control
M.S.	1989	University of Oregon	Biomechanics / Integrated Exercise Science
B.A.	1986	Linfield College	German / International Studies

2. Professional Experience

1994 - present	Assistant/Associate Professor of Health and Physical Education, Western Oregon University
1994-2004	Assistant Track & Field Coach, Department of Athletics, Western Oregon University
1991-92	Adjunct Assistant Professor of Biomechanics, Montana State University
1992-94, 1989-91 and 1987-88	Graduate Teaching and Research Fellow, Exercise and Movement Science, University of Oregon

3. Instructional Load for 2006-07

2006 Fall:	PE 217	Teaching Weight Training and Conditioning
	PE 310:	Motor Learning
	PE 371:	Kinesiology
	PE 371L:	Kinesiology Lab
	PE 415:	Lifespan Motor Development
2007 Winter:	PE 217	Teaching Weight Training and Conditioning
	PE 230	Foundations of Exercise Science
	PE 371:	Kinesiology, Kinesiology Lab
	PE 483:	Biomechanical Analysis
	PE 483L:	Biomechanical Analysis Lab
2005 Spring:	PE 230:	Foundations of Exercise Science
	PE 310:	Motor Learning
	PE 483:	Biomechanical Analysis,
	PE 483L:	Biomechanical Analysis Lab

4. Current Professional and Academic Association Memberships

Member, Oregon Association for Physical Education

Member, Oregon Alliance for Health, Physical Education, Recreation and Dance

Member, National Strength and Conditioning Association

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5. Current & Past Professional Assignments and Activities

President (1998-99): Oregon Association for Physical Education

Board Member (1997-99): Oregon Alliance for Health, Physical Education, Recreation and Dance

Member (1997): National Academic Committee for the 4th National Symposium on
Teaching Biomechanics in Sports

Editorial Board Member (1998-99): Oregon Journal for HPERD

Chair-Elect Nominee (1998): Biomechanics Academy of the National Association for
Sport and Physical Education

Biomechanics Consultant (1994-2002): USA Track and Field Sports Sciences

Manuscript Reviewer (2004, 05, 06): Research Quarterly for Exercise and Sport

Manuscript Reviewer (2006): Medicine & Science in Sport & Exercise

Chair (1996-2003) Division of Health and Physical Education Curriculum Committee

Chair (1998-2001): Western Oregon University Senate Curriculum Committee

Member (2001-Present): Division of Health and Physical Education Personnel Review Committee

Member (1998-2000): Western Oregon University Senate Committee on Committees

Senator (1995-2005): Western Oregon University Faculty Senate

Faculty Senate President (2001-2003): Western Oregon University Faculty Senate

Member (2004): Mission and Vision Committee, Western Oregon University Strategic Planning

Member (2004-2005): Task Force on Undergraduate Research, Western Oregon University

Chair (2005): Task Force for Consideration of Policies and Practices Regarding Sexual Harassment and
Consensual Relationships

Member (2005-Present): Executive Committee, Program for Undergraduate Research Experiences, WOU

Co-Chair (Sp 2006, Sp 2007): Health, Physical Education and Exercise Science Symposium
Western Oregon University Academic Excellence Showcase,

Regional Research and Applied Presentations (1989-present): (10)

National Research and Applied Presentations (1989-present): (13)

International Research and Applied Presentations (1989-present): (6)

6. Publications

Killgore, G., Wilcox, A., Caster, B. and Wood, T. (2006) A kinematic comparison of deep-water running styles and treadmill running. Journal of Strength and Conditioning Research, 20 (4), 919-927.

Caster, B.L.(1998). Landing Strategy Variations: Effects of Skill Level, Task Demands and Movement Type. Proceedings of the XVI International Symposium on Biomechanics in Sports, (pp.70-73). University of Konstanz, Germany.

Caster, B. L. and Bates, B. T. (1995). Assessment of mechanical and neuromuscular control components during drop landing. Medicine and Science in Sports and Exercise, 27,(5), pp. 736-744.

Osternig, L. R., Caster, B. L. and James, C. R. (1995). Contralateral hamstring coactivation patterns and anterior cruciate ligament (ACL) dysfunction. Medicine and Science in Sports and Exercise, 27, (6), pp. 805-806.

CASTER, BRIAN L. (cont.)

James, C. R., Dufek, J. S. and Caster, B. L. (1995). Comparison of muscular activity and mechanical constraints for prediction of landing impact forces. Medicine and Science in Sports and Exercise, 27,(5), Supplement. Abstract # 898, p. S160.

Caster, B. L., Chen, F. C., Dufek, J. S. and Bates, B. T. (1994). Single subject design in biomechanics research: justification of statistical assumptions. Proceedings of the Eighth Biennial Conference of the Canadian Society for Biomechanics, (pp. 294-295). University of Calgary, CANADA.

Caster, B. L. (1993). The effect of height and post-landing movement task on landing performance. In J. Hamill, T. Derrick and E. Elliot (Eds), Biomechanics in Sports XI, (pp. 60-64). University of Massachusetts, Amherst.

Caster, B. L., Bates, B. T. and Dufek, J. S. (1992). A multi-dimensional assessment of the functionality of cross training athletic footwear. Proceedings of the Second North American Congress on Biomechanics, (pp. 275-276). Chicago, Illinois.

Caster, B. L., Derrick, T. R. and Bates, B. T. (1991). Temporal relationships between knee flexion and pronation in running: Assessment of pronation event selection. Proceedings of the American Society of Biomechanics 15th Annual Meeting, (pp. 150-151). Arizona State University, Tempe, Arizona.

Dufek, J. S., Caster, B. L. and Bates, B. T. (1991). Evaluation of position constraints on landing performance. Proceedings of the American Society of Biomechanics 15th Annual Meeting, (pp. 226-227). Arizona State University, Tempe, Arizona.

Schot, P. K., Caster, B. L., and Dufek, J. S. (1990). Evaluation of bilateral symmetry of vertical ground reaction forces during drop landings. In S. Woo, J. Wayne & D. MacKenna (Eds), Abstracts of the First World Congress of Biomechanics, (p. 91). University of California, San Diego.

Bates, B. T. and Caster, B. L. (1989). The effect of added load on landing strategies. In R. J. Gregor, R. F. Zernicke & W. C. Whiting (Eds), Congress Proceedings: XIIth International Congress of Biomechanics (Abstract #58). University of California, Los Angeles.

7. Research Interests

Biomechanics of the throwing events in track & field (1994-present)

Biomechanical implications for children's physical education (1997-present)

Comparison of mechanical and neuromuscular components of movement control (1992-present)

Core strengthening activities for athletic and general populations (2000-present)