

Gregory Allen Brown

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The University of Nebraska at Kearney
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Academic Preparation

Doctor of Philosophy, Iowa State University. August 2002 -- Major in Health and Human Performance, Emphasis in the Biological Bases of Physical Activity, dissertation title: "Androgenic supplementation in men: Effects of age, herbal extracts, and mode of delivery."

Master of Science, Iowa State University, May 1999 -- Major in Exercise and Sport Science, Emphasis in Exercise Physiology, thesis title: "Oral anabolic-androgenic supplements during resistance training: Effects on glucose tolerance, insulin action, and blood lipids."

Bachelor of Science, Utah State University, June 1997 -- Major in Physical Education, Emphasis in Pre-physical Therapy.

Awards

Iowa State University Research Excellence Award, Iowa State University, 2002

The Zaffarano Prize for Graduate Student Research, Iowa State University, 2002

Helen Hilton Lebaron Excellence in Research Award, Dept. of Health and Human Performance, Iowa State University, 2002

Best Paper Award, 2nd Annual Education Research Exchange. Iowa State University Education Research Exchange, 2001

Helen Hilton Lebaron Excellence in Research Award, Dept. of Health and Human Performance, Iowa State University, 2000

Professional Experience

Assistant Professor: Exercise Physiology, the University of Nebraska at Kearney, HPERLS Dept. (2004-) Full Graduate Faculty status awarded on hire, 2004

Assistant Professor: Exercise Physiology, Georgia Southern University, Jiann-Ping Hsu School of Public Health. (2002-2004) Full Graduate Faculty status awarded Nov. 26, 2002

Laboratory Director: Human Performance Laboratory, Georgia Southern University, Jiann-Ping Hsu School of Public Health. (2002-2004)

Research Assistant: Exercise Biochemistry and Physiology Laboratory, Iowa State University, Department of Health and Human Performance. (1997-2002)

Professional Experience

Graduate Teaching Assistant: Iowa State University, Department of Health and Human Performance. (1997-2002)

Temporary Instructor: Iowa State University, Department of Health and Human Performance. (1999-2002)

Temporary Adjunct Faculty: Des Moines Area Community College. (2000)

Undergraduate Teaching Intern: Department of Biology, Utah State University. (1995-1996)

Description of Graduate Courses Taught

PE 870: Course presumes a student has had a basic course in exercise physiology. The content of cardiorespiratory fitness, body composition, muscular strength/flexibility, body fluids and metabolism is presented beyond the introductory level. (University of Nebraska at Kearney)

PE 861: Physiology of Exercise. Physiological processes of body as pertain to physical activity. How trained and untrained individuals differ, and importance of training. (University of Nebraska at Kearney)

PE 866: Energy Balance and Weight Control. Examines the interaction between nutrition and physical activity, including exercise and athletic performance. (University of Nebraska at Kearney)

KINS 7230: Exercise Physiology. Focuses on the study of the effects of exercise on the physiological functions of the human organism with emphasis on theoretical orientations. (Georgia Southern University)

KINS 7231: Laboratory Techniques in Exercise Physiology. Acquaints the student with the use of typical laboratory equipment used in exercise physiology. (Georgia Southern University)

KINS 7238: Human Performance and Nutrition. Examines the interaction between nutrition and physical activity, including exercise and athletic performance. (Georgia Southern University)

KINS 7431: Applied Sport Physiology. Focuses on the study of exercise physiology principles applied to developing training and conditioning programs for enhancing health related fitness and performance (Georgia Southern University)

KINS 7899: Directed Independent Study. Provides the student with an opportunity to investigate an area of interest under the direction of faculty mentor (Georgia Southern University)

EXSP 551: Advanced Exercise Physiology 2. Analysis of factors affecting work capacity and performance. Human energy metabolism concepts and measurement. (Iowa State University)

Description of Undergraduate Courses Taught

- PE 469: Energy Balance and Weight Control. Examines the interaction between nutrition and physical activity, including exercise and athletic performance. (University of Nebraska at Kearney)
- PE 461: Physiology of Exercise. Physiological processes of body as pertain to physical activity. How trained and untrained individuals differ, and importance of training. (University of Nebraska at Kearney)
- PE 310: Introduction to Exercise Physiology. Provides a foundation of scientific basis for understanding the body's anatomical structures and physiologic responses to acute exercise, as well as its adaptations to chronic exercise. (University of Nebraska at Kearney)
- KINS 4231: Fitness Evaluation and Exercise Prescription: Provides the student with an in-depth study of fitness appraisal and exercise prescription and the development, interpretation, implementation and management of fitness programs (with laboratory). (Georgia Southern University)
- KINS 3133: Physiological Aspects of Exercise. Provides an in-depth perspective of physiological and biochemical responses of the human body when subjected to exercise (with laboratory). (Georgia Southern University)
- GSU 1210: University Orientation 1. Designed to help first year students understand the purpose of a college education, learn about college requirements, explore values and interests, learn to make decisions and realistic choices, explore career objectives and programs of study, and establish supportive relationships with faculty and staff. Required of all new students during their first semester. (Georgia Southern University)
- EX SP 355: Biomechanics (Laboratory). Mechanical basis of human performance; application of mechanical principles to exercise, sport and other physical activities. (Iowa State University)
- EX SP 462: Medical Aspect of Exercise. The role of exercise in preventive medicine. Impact of exercise on various diseases, and the effect of various medical conditions on the ability to participate in vigorous exercise and competitive sports. Principles of exercise testing and prescription for individuals with these conditions. Environmental and nutritional aspects of exercise. (Iowa State University)
- EX SP 458: Principles of Exercise Testing and Prescription. Physiological principles of physical fitness; design and administration of fitness programs; testing, evaluation, and prescription; cardiac risk factor modification. (Iowa State University)
- EX SP 455 (Renumbered as EX SP 358 for Fall 2001): Physiology of Exercise. Physiological basis of human performance; effects of physical activity on body functions (with laboratory). (Iowa State University)
- EX SP 258: Physical Fitness and Conditioning. Development of personal fitness using a variety of conditioning and exercise techniques such as aerobics, weight training, and aquatic fitness. Introduction to acute and chronic responses to exercise, and the role of exercise in health promotion and weight management. (Iowa State University)

Description of Undergraduate Courses Taught

EX SP 236: Fundamentals of Archery, Badminton, Bowling (Archery Segment). (Iowa State University)

EX SP 119: Archery 1. (Iowa State University)

PE 157: Introduction to Athletic training. Introduction to methods of prevention and immediate care of athletic injuries. Basic information concerning health supervision of athletes, and some basic wrapping and strapping techniques for common injuries. (Des Moines Area Community College)

PE 144: Introduction to Physical Education. History and development of physical education as an academic discipline. Principles and current practices of teaching physical education. (Des Moines Area Community College)

EX SP 220: Physical Fitness and Conditioning. Development of personal fitness using a variety of conditioning and exercise techniques such as aerobics, weight training, and aquatic fitness. Introduction to acute and chronic responses to exercise, and the role of exercise in health promotion and weight management. (Des Moines Area Community College)

PHYSL 130: Human Physiology. Principles of the regulation and maintenance of human physiology. (Utah State University; Undergraduate TA)

PHYSL 103 Human Anatomy. Introduction to the structure and location of bones, muscles, and organs in the human body. (Utah State University; Undergraduate TA)

Graduate Student Advisement

Julie McAlpin. MS Thesis Committee

Bryce Abbey. MS Thesis Committee

Michael Ray. MS Comprehensive Project Director

Seth McFarland. MS Thesis Committee Director. Degree Awarded Summer 2005

Drew McKenzie. MS Academic Advisor. Degree Awarded Spring 2005

Matthew Luckie. MS Academic Advisor. Degree Awarded Spring 2005

Todd Lane. MS Academic Advisor

Leilani Lowery. MS Internship committee, Degree Awarded Spring 2003

Johnna Ware. MS Internship committee, Degree Awarded Spring 2003

David Bass. MS Internship committee, Degree Awarded Spring 2003

Crystal Smith. MS Internship committee, Degree Awarded Summer 2003

University Service

Graduate Dean Search Committee. University of Nebraska at Kearney

Assistant HPERLS Department Graduate Coordinator.

University Service

University of Nebraska at Kearney Centennial Run committee.

Nebraska on the Move Kids Fitness and Nutrition Day, volunteer child educator.

Senior College of Central Nebraska, Fit after 50 course coordinator. University of Nebraska at Kearney

Health Science Program Assistant Advisor Search Committee, University of Nebraska at Kearney

HPERLS Furniture Committee; University of Nebraska at Kearney

Academic Advisor for Undergraduate exercise Science Students

Institutional Review Board, Georgia Southern University (2003- 2004)

GSU Exercise Science undergraduate student advisor

GSU Jiann-Ping Hsu School of Public Health extramural funding task force

GSU Jiann-Ping Hsu School of Public Health Curriculum Committee

GSU Jiann-Ping Hsu School of Public Health Assistant Graduate program director

GSU Jiann-Ping Hsu School of Public Health Laboratory Director's Committee

GSU Jiann-Ping Hsu School of Public Health Exercise Science Graduate program coordinator

GSU Recreation and Athletic Center advisor to the personal training program

Institutional Biosafety Committee, Georgia Southern University (2003-2006)

Kinesiology Cluster Area, Georgia Southern University, Jiann-Ping Hsu School of Public Health (2002-)

Biostatistics Faculty Search Committee. Georgia Southern University, Jiann-Ping Hsu School of Public Health (2002-2003, 2003-2004)

Computer Advisory Committee, Iowa State University, University-Wide, College of Education, and Dept. of Health and Human Performance (2000-2002)

Computer Fee Allocation Committee, Iowa State University 2000-2001

Dept. of Health and Human Performance Graduate Student Association (Founding Officer and 1st President; 2001-2002)

Sport Management Faculty Search Committee, Iowa State University Dept. of Health and Human Performance (2001-2002)

Certifications

American College of Sports Medicine: Health and Fitness Instructor

USA Track and Field: Level One Coach

American Red Cross: Community First Aid and CPR

Professional Organizations

American College of Sports Medicine

American Physiological Society

American Diabetes Association

Honor Societies

Full Member, Sigma Xi Scientific Research Society

Refereed Scientific Publications

Brown, G.A., Teaching skeletal muscle adaptations to aerobic exercise using an APS classic paper by Dr. Philip Gollnick and colleagues. *Adv. Physiol. Educ.* In Press.

Brown, G.A., and D. MacKenzie. Resistance Exercise Does Not Change The Hormonal Response To Sublingual Androstenediol. *Eur J Appl Physiol.* In Press

Brown, G.A., M.D. Vukovich and D.S. King. Testosterone Prohomone Supplements. *Med. Sci. Sports Exerc.* In Press

Brown, G.A., M.D. Vukovich, and D.S. King. Urinary excretion of steroid metabolites following chronic androstenedione ingestion. *J. Clin. Endocrinol. Metab.* 12:6235 – 6338, 2004

Brown G.A., J.C. Dewey, J. Brunkhorst, M.D. Vukovich, and D.S. King. Changes in serum testosterone and estradiol concentrations following acute androstenedione ingestion in young women. *Horm Metab Res.* 1:62-66, 2004

Kohut, M.L., J.R. Thompson, J. Campbell, **G.A. Brown**, M.D. Vukovich, D.A. Jackson, and D.S. King. Ingestion of a Dietary Supplement Containing Dehydroepiandrosterone (DHEA) and Androstenedione Has Minimal Effect on Immune Function in Middle-Aged Men. *J Am Coll Nutr.* 22: 363-71, 2003

Brown, G.A., E.R. Martini, B.S. Roberts, M.D. Vukovich, and D.S. King. Acute hormonal responses to sublingual androstenediol intake in young men. *J Appl Physiol.* 92: 142-146, 2002.

Brown, G.A., M.D. Vukovich, E.R. Martini, M.L. Kohut, W.L. Franke, D.A. Jackson, and D.S. King. Effects of androstenedione-herbal supplements on serum sex hormone concentrations in 30-59 year old men. *Int J Vitam Nutr Res.* 71: 293-301, 2001

Brown, G.A., M.D. Vukovich, E.R. Martini, M.L. Kohut, W.L. Franke, D.A. Jackson, and D.S. King. Endocrine and lipid responses to chronic androstenediol-herbal supplementation in 30 to 58 year old men. *J Am Coll Nutr.* 20: 520-528, 2001.

Brown, G.A., M.D. Vukovich, E.R. Martini, M.L. Kohut, W.L. Franke, D.A. Jackson, and D.S. King. Endocrine response to chronic androstenedione intake in 30-56 year old men. *J Clin Endocrinol Metab.* 85: 4074-4080, 2000.

Brown, G.A., M.D. Vukovich, T.A. Reifendrath, N.L. Uhl, K.A. Parsons, R.L. Sharp, and D.S. King. Effects of anabolic precursors on serum testosterone concentrations and adaptations to resistance training in young men. *Int J Sport Nutr Exerc Metab.* 10: 342-362, 2000.

Refereed Scientific Publications

Brown, G.A., M.D. Vukovich, R.L. Sharp, T.A. Reifernath, K.A. Parsons, and D.S. King. Effect of oral DHEA on serum testosterone and adaptations to resistance training in young men. *J Appl Physiol*. 87: 2274-2283, 1999.

King, D.S., R.L. Sharp, M.D. Vukovich, **G.A. Brown**, T.A. Reifernath, N.L. Uhl, and K.A. Parsons. Effect of oral androstenedione on serum testosterone and adaptations to resistance training in young men: a randomized controlled trial. *JAMA*. 281: 2020-2028, 1999. *Featured in the 1999 Annual Bibliography of Significant Advances in Dietary Supplement Research, (top 25 nutritional supplement research papers of 1999). Office of Dietary Supplements & the Consumer Healthcare Products Association*

Manuscripts in Process

Brown, G.A., A.C. Stahlnecker IV, K. Semin, and K.A. Heelan. Divergence Between Training, Competition, and Laboratory Measures of Maximum Heart Rate

Brown, G.A., F. Lynott, and K.A. Heelan. Health and Fitness of Students Majoring in Health and Physical Education Compared to non-Majors.

Brown, G.A., R. Krueger, C. Cook, and K.A. Heelan . A Prediction Equation for Estimation of Cardiorespiratory Fitness (VO₂peak) Using a Precor Elliptical Exercise Machine

Brown, G.A., C. Cook, R. Krueger, and K.A. Heelan Comparison of energy expenditure on a treadmill vs. an elliptical device at a self-selected exercise intensity.

Brown, G.A., and A.C. Stahlnecker IV. Acute Effects of a Weight Loss Supplement on Resting Metabolic Rate and Anaerobic Exercise Performance.

Brown, G.A. and A. Swendener. Effects of Exercise and a Low Carbohydrate Diet on Fitness and Serum Leptin, & PYY Concentrations

Non-Peer Reviewed Publications

Brown, G.A. and King, D.S. Sport Dietary Supplement Update on DHEA supplementation. Human Kinetics Publishers, Inc. October, 2000.

Refereed Scientific Presentations

Eck, L. M. and **G.A. Brown**. Preliminary Analysis of Physical Fitness Levels in Kinesiology Students. Southern Regional Undergraduate Honors Conference. March 31, 2005.

Brown, G.A., J.N. Drouin, and D. MacKenzie. Resistance Exercise Does Not Change The Hormonal Response To Sublingual Androstenediol. Annual Meeting of the American College of Sports Medicine, June 1-4, 2005, Nashville, TN. *Med Sci Sports Exerc* 37(5): S40, 2005

Brown, G.A., M.P Rebok, M.L. Scott, M.K. Colaluca, and J Harris III. Economy of Jogging Stroller Use During Running. Annual Meeting of the American College of Sports Medicine, June 2-5, 2004, Indianapolis, IN. *Med Sci Sports Exerc* 36(5): S1714, 2004

Refereed Scientific Presentations

- M.P. Rebok, M.L. Scott, J. Harris III, M.K. Colaluca, and **G.A. Brown**. Economy of Jogging Stroller use During Running. Georgia Southern University Legislative Wild Game Supper (2004).
- M.P. Rebok, M.L. Scott, J. Harris III, M.K. Colaluca, and **G.A. Brown**. Energy cost of jogging stroller use during running. Annual Meeting of the Southeastern Chapter of the American College of Sports Medicine (2004).
- Brown, G.A.**, Effect of 8 weeks androstenedione supplementation and weight training on glucose tolerance and isokinetic strength. Accepted for Presentation at the Annual Meeting of the Southeastern Chapter of the American College of Sports Medicine (2004).
- Brown, G.A.**, Vukovich, M.D., Kohut, M.L., Franke, W.D., Jackson, D.A., King, D.S., and Bowers, L.D. Urinary excretion of steroid metabolites following chronic androstenedione ingestion. Annual Meeting of the American College of Sports Medicine, May 27-31 2003, San Francisco, CA. Med Sci Sports Exerc 35(5): S1835
- Brown, G.A.**, E.R. Martini, B.S. Roberts, M.D. Vukovich, and D.S. King. Effects of Sublingual androstenediol-cyclodextrin on serum sex hormones in young men. Annual Meeting American College of Sports Medicine, May 30 – June 2, 2001. Baltimore, MD. Med Sci Sports Exerc. 33(5): S1650
- Kohut, M.L., J.R. Thompson, J. Campbell, **G.A. Brown**, and D.S. King. Ingestion of a dietary supplement containing androstenedione and dehydroepiandrosterone (DHEA) has a minimal effect on immune response. International Society of Exercise and Immunology, Annual Convention May 29-30, 2001. Baltimore, MD. Med. Sci. Sports Exerc. 33(5): SISEI12
- Brown, G.A.**, E.R. Martini, B.S. Roberts, and D.S. King. Effects of Sublingual androstenediol-cyclodextrin on serum sex hormones in young men. Iowa State University Educational Research Exchange, March 24, 2001. Ames, IA.
- Martini, E.R., **G.A. Brown**, M.D. Vukovich, M.L. Kohut, W.D. Franke, D.A. Jackson, and D.S. King. Effects of androstenedione-herbal supplementation on serum sex hormone concentrations in 30-59 year old men. Iowa State University Educational Research Exchange, March 24, 2001. Ames, IA.
- King, D.S., **G.A. Brown**, M.D. Vukovich, M.L. Kohut, W.D. Franke, and D.A. Jackson. Effects of Chronic Oral Androstenedione Intake in 30-58 year Old Men. 11th International Conference on the Biochemistry of Exercise. June 4-7, 2000. Little Rock, Arkansas
- Brown, G.A.**, M.L. Kohut, W.D. Franke, D. Jackson, M.D. Vukovich, and D.S. King. Serum Hormonal and Lipid Responses to Androgenic supplementation in 30 –59 year old men. Annual Meeting American College of Sports Medicine, May 31-June 3, 2000. Indianapolis, IN. Med Sci Sports Exerc. 32(5): S486
- Brown, G.A.**, T.A. Reifenrath, N.L. Uhl, R.L. Sharp, and D.S. King. Oral anabolic-androgenic supplements during resistance training: Effects on glucose tolerance,

- insulin action, and blood lipids. 1999 Annual Meeting American College of Sports Medicine, Seattle, WA. Med Sci Sports Exerc. 31(5): S1293
- Reifenrath, T.A., R.L. Sharp, **G.A. Brown**, N.L. Uhl, and D.S. King. Oral anabolic-androgenic supplements during resistance training: Effects on body composition and muscle strength. 1999 Annual Meeting American College of Sports Medicine, Seattle, WA. Med Sci Sports Exerc. 31(5): S1292
- King, D.S., R.L. Sharp, **G.A. Brown**, T.A. Reifenrath, and N.L. Uhl. Oral anabolic-androgenic supplements during resistance training: Effects on serum testosterone and estrogen concentrations. 1999 Annual Meeting American College of Sports Medicine, Seattle, WA. Med Sci Sports Exerc. 31(5): S1291
- Parsons, K.A., R.L. Sharp, **G.A. Brown**, T.A. Reifenrath, N.L. Uhl, and D.S. King. Acute effects of oral anabolic-androgenic supplements on blood androgen and estrogen levels in man. 1999 Annual Meeting American College of Sports Medicine, Seattle, WA. Med Sci Sports Exerc. 31(5): S1290

Invited Presentations

- Nutritional Supplementation for Sports Performance: Pitfalls and Promises. Des Moines Area Community College, Boone Campus. March 29, 2002
- “Muscle Building” Nutritional Supplements: Is Androstenedione An Anabolic Steroid? The National Institutes of Health Office of Dietary Supplements and the Council for Responsible Nutrition: A Conference on the Science and Policy of Performance-Enhancing Products. January 8-9, 2002.
- “Muscle Building” nutritional supplements: Are testosterone precursors anabolic steroids? Des Moines University Friday Seminar Series. September 21, 2001
- Rehydration after Exercise and Thermal Dehydration. Iowa Athletic Trainers Society Annual Meeting. July 21, 2001
- Prevention of Exercise Associated Muscle Cramps. What is the Role of Pickle Juice? Iowa Athletic Trainers Society Annual Meeting. July 21, 2001
- Is androstenedione a safe and effective nutritional supplement? Iowa State University Investigation series conference for gifted 7th-10th graders. March 25, 2000

Other Professional Experience

- Session Chair. 2nd Annual Education Research Exchange. Iowa State University Education Research Exchange, 2001

Funding

Research Funding

- Brown G.A.** Dose response relationship between resistance exercise and changes in the hormonal regulation of blood glucose homeostasis. American Diabetes Association Junior faculty Award. \$443,293. Pending

Research Funding

Brown G.A., and K. Heelan. Health benefits of green tea extract in women. NIH NCCAM Exploratory/Developmental Grant for Clinical Studies (R21), PAR-03-153. \$485,163. Not Funded.

Brown, G.A. Changes In Biomarkers Of Satiety, Aerobic Fitness, And Body Composition While On A Low Fat Or Low Carbohydrate Diet. University of Nebraska at Kearney Research Services Council. \$3,750. Funded

Lynott, F., **Brown, G.A.**, and K. Heelan. Health and Fitness of HPERLS Students. University of Nebraska at Kearney Research Services Council. \$4,000. Funded

Brown G.A., K. Heelan and D.S. King. Pharmacokinetics & Efficacy of Sublingual Androstenediol for Treating Andropause. NIH NCCAM Exploratory/Developmental Grant for Clinical Studies (R21), PAR-03-153. \$477,000. Not Funded.

Maughan S.L., D.P. Snider, and **G.A. Brown**, Physical Health and Social Factors Influencing Educational Success Among Hispanic Immigrant Children, University of Nebraska at Kearney Research Services Council. \$4,214.60. Funded

McFarland S.P. and **G.A. Brown**, Effects of Exercise Duration on Glucose Tolerance In Mildly Overweight Men, University of Nebraska at Kearney Research Services Council. \$750. Funded

Brown, G.A. Effects of Exercise Duration on Insulin Sensitivity In Mildly Overweight Men, University of Nebraska at Kearney Research Services Council. \$2,000. Funded

McFarland S.P. and **G.A. Brown**, Effects of Exercise Duration on Glucose Tolerance In Mildly Overweight Men, Gatorade Sports Sciences Institute. \$1,500. not Funded

Brown, G.A. Effects of Exercise Duration on Glucose Tolerance and Insulin Sensitivity in Mildly Overweight Men. Life fitness Academy. \$5,000. not funded

Brown, G.A. American College of Sports Medicine Foundation Grant. Endocrinology of weight lifting & androgen supplementation, \$10,000. Not Funded.

Brown, G.A. and J.L. McMillan. Experimental and Applied Sciences. Effects of Green Tea Extract on Insulin Sensitivity and Adaptations to Exercise. \$71,075. Not Funded.

Brown, G.A. American College of Sports Medicine Foundation Grant. Endocrinology of weight training & androgen supplementation, \$10,000. Not Funded.

Brown, G.A. and J. Drouin. Georgia Southern University Faculty Research Grant. Effects of Resistance Training on the Hormonal response to Sublingual Androstenediol Intake. \$5,000. Funded

King D.S. and **G.A. Brown**. *World Anti Doping Agency*. Effects of Testosterone Precursors on the Muscular and Hormonal Response to Resistance Training in Men. \$464,634. Not Funded.

Brown, G.A. *American College of Sports Medicine* Foundation Grant. Effect of Raisin Ingestion on Substrate Use During Exercise. \$5,000. Not Funded.

Research Funding

King D.S. and **G.A. Brown**. *California Raisin Marketing Board*. The Glycemic Index Of Raisins Fed To Normal People And Non-Insulin Dependent Diabetics. \$110,869. Not Funded.

King D.S. and **G.A. Brown**. *California Raisin Marketing Board*. The Effects Of Raisin Ingestion On Substrate Utilization and Endurance Exercise Performance In Trained Cyclists. \$ 84,258. Not Funded.

Brown, G.A., E.R. Martini, and B.S. Roberts. Effect of Androstenediol on Serum Sex Hormone Concentrations. Iowa State University Professional Advancement Grant. Graduate Student Senate and Iowa State University Dept. of Health and Human Performance. \$700. Funded

Instructional Development Funding

Brown, G.A. Georgia Southern University, Center for Excellence in Teaching Instructional Development Grant. Proposal for purchase of heart rate monitors, manual sphygmomanometers, and automated sphygmomanometers. \$2,820. Funded.

Brown, G.A. Georgia Southern University, Center for Excellence in Teaching Innovative Teaching Strategies Retreat. Provides \$2,000 in instructional technology funds to the participant. Funded.

Instructional Development Funding

Brown, G.A. Georgia Southern University, Center for Excellence in Teaching Travel Grant. \$750. Funded.

Brown, G.A. Georgia Southern University student technology fee proposal. Proposal for purchase of Molecular Devices SpectraMax 250 plate reader. \$17,000. Funded

Brown, G.A. Georgia Southern University student technology fee proposal. Proposal for purchase of Lode Excalibur Sport Bicycle Ergometer and Physiodyne Max 2 Metabolic Cart. \$29,577. Funded

Brown, G.A. Georgia Southern University student technology fee proposal. Proposal for purchase of Packard Cobra 2 Automated Gamma Counter. \$14,000. Not funded

Teaching History

Semester, Year	Institution	Position	Course	Title	# of Sections	Number of Students
Fall 2005	The University of Nebraska at Kearney	Assistant Professor	PE 866 (Graduate)	Energy Balance and Weight Control	1	3
		Assistant Professor	PE 469	Energy Balance and Weight Control	1	39
		Assistant Professor	PE 310		1 (3 labs)	40
Spring 2005	The University of Nebraska at Kearney	Assistant Professor	PE 861 (Graduate)	Physiology of Exercise	1	3
		Assistant Professor	PE 461	Physiology of Exercise	1	26
		Assistant Professor	PE 310	Introduction to Human Exercise Physiology	1	29
Fall 2004	The University of Nebraska at Kearney	Assistant Professor	PE 866 (Graduate)	Energy Balance and Weight Control	1	2
		Assistant Professor	PE 461	Energy Balance and Weight Control	1	25
		Assistant Professor	PE 310	Introduction to Human Exercise Physiology	1	24
Summer 2004	Georgia Southern University	Assistant Professor	KINS 3133	Physiological Aspects of Exercise	1	24
Spring 2004	Georgia Southern University	Assistant Professor	KINS 7231 (Graduate)	Laboratory Techniques in Exercise Physiology	1	9
			KINS 3133	Physiological Aspects of Exercise	1	24

			KINS 4231	Fitness Evaluation & Exercise Prescription	1	18
			GSU 1210	University Orientation1	1	20
Fall 2003	Georgia Southern University	Assistant Professor	KINS 7230 (Graduate)	Exercise Physiology	1	13
			KINS 3133	Physiological Aspects of Exercise	1	14
			GSU 1210	University Orientation 1	3	72
Summer 2003	Georgia Southern University	Assistant professor	KINS 4231	Fitness Evaluation & Exercise Prescription	1	13
			KINS 3133	Physiological Aspects of Exercise	1	23
Spring 2003	Georgia Southern University	Assistant professor	KINS 7238 (Graduate)	Human Performance and Nutrition	1	9
			KINS 4231	Fitness Evaluation & Exercise Prescription	1	25
			KINS 3133	Physiological Aspects of Exercise	1	18
Fall 2002	Georgia Southern University	Assistant Professor	KINS 7899 M, N (Graduate)	Directed Independent Study	2	3
			KINS 7431 (Graduate)	Applied Sport Physiology	1	7
			KIN 3133	Physiological Aspects of Exercise	1	28
Summer 2002	Iowa State University	Temporary Instructor	EX SP 551 (Graduate)	Advanced Exercise	1	5

Physiology 2						
Summer 2002	Iowa State University	Temporary Instructor	EX SP 358	Exercise Physiology Lecture and Laboratory	1 Lecture 2 Lab	25
Spring 2002	Iowa State University	Principle Instructor	EX SP 358	Exercise Physiology Lecture and Laboratory	1 Lecture 6 Lab	90
			EX SP 462	Medical Aspects of Exercise	1	40
Fall 2001	Iowa State University	Teaching Assistant	EX SP 358	Exercise Physiology Laboratory	2	30
			EX SP 458	Exercise Prescription Laboratory	4	48
Fall 2001	Iowa State University	Teaching Assistant	EX SP 355	Biomechanics Laboratory	1	18
Summer 2001	Iowa State University	Co-Instructor	EX SP 455	Exercise Physiology Lecture and Laboratory	1 Lecture 1 Lab	33
Spring 2001	Iowa State University	Teaching Assistant	EX SP 455	Exercise Physiology Laboratory	4	48
			PE 119	Archery 1	4	18
Fall 2000	Iowa State University	Teaching Assistant	EX SP 455	Exercise Physiology Laboratory	4	48
	Des Moines Area Community College	Principle Instructor	EX SP 220	Physical Fitness	1	17
			PE 157	Intro to Athletic Training	1	18
			PE 144	Intro to Physical education	1	21
Summer 2000	Iowa State University	Co-Instructor	EX SP 455	Exercise Physiology Lecture and	1	9

				Laboratory		
Spring 2000	Iowa State University	Teaching Assistant	EX SP 455	Exercise Physiology Laboratory	1	48
			PE 129	Bowling 1	1	23
Fall 1999	Iowa State University	Teaching Assistant	EX SP 455	Exercise Physiology Laboratory	3	36
Summer 1999	Iowa State University	Principle Instructor	EX SP 458	Exercise Prescription	1	9
			EX SP 459	Internship in Exercise Prescription	1	8
			EX SP 258	Physical Fitness and Conditioning	1	8
Fall 1998	Iowa State University	Teaching Assistant	EX SP 455	Exercise Physiology Laboratory	4	48
Spring 1998	Iowa State University	Teaching Assistant	EX SP 455	Exercise Physiology Laboratory	4	48
Fall 1997	Iowa State University	Teaching Assistant	PE 119	Archery 1	2	36
Summer 1996	Utah State University	Undergraduate teaching Assistant	PHYSL 130	Human Physiology Laboratory	1	13
Spring 1996	Utah State University	Undergrad TA	PHYSL 103	Human Anatomy lab	1	14

References

Douglas S. King, Ph.D. Associate Professor
Department of Health and Human Performance
Iowa State University
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Rick L. Sharp, Ph.D. Professor
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(515) 294-8650 rlsharp@iastate.edu

Tim R. Derrick, Ph.D. Assistant Professor
Department of Health and Human Performance
Iowa State University
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(515) 294-8438 tderrick@iastate.edu

Helen Graf, Ph.D. Associate Professor
Jiann-Ping Hsu School of Public Health
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Educational Highlights

Exercise Science

Health and Wellness	Sport Sociology
Anatomical Kinesiology	Sport Psychology
Biomechanics	Principles of Conditioning
Health aspects of Aging	Track and Field Coaching
Prevention and Treatment of Athletic Injuries	Dynamic Fitness
Quantitative Analysis of Human Movement	Motor Learning and Control
Qualitative Analysis of Human Performance	Medical Aspect of Exercise
Advanced Exercise Physiology 1 & 2	

Other Relevant Courses

Human Anatomy	Principles of Chemistry (1 year)
Human Physiology	General Biology (1 year)
Pathogenic Microbiology	Nutrition for People
Principles of Physics (1 year)	Statistical Methods for Research
General and Comparative Endocrinology	College Teaching
Research Design and Interpretation	Advanced Vertebrate Physiology

Laboratory Skills

Physiodyne Max 1 and II Metabolic Cart
 MedGraphics Cardio2 combined VO₂/ECG exercise system
 Cosmed K4B² Portable Metabolic Cart
 Beckman DU 640 Spectrophotometer
 YSI 2300 Stat Glucose/Lactate Analyzer
 Packard Cobra 2 Autogamma Counter
 Applied Electrochemistry S3-A Oxygen Analyzer
 Applied Electrochemistry CD-3A Carbon Dioxide Analyzer
 ELISA
 SDS PAGE
 Agarose Gel Electrophoresis
 Various Autoclaves, Balances, Manual and Auto Pipettes
 Spectra Max 340 Plate Reader, SprectraSoft application

Computer Skills

Microsoft Office Suite	Dreamweaver
Sigma Stat	Sigma Plot
Mosby's Nutritrac	Nutritionist 4
Vista Turbofit	SPSS for Windows
WebCT	Netscape Composer
Respondus	Adobe Acrobat

Adobe Photoshop

Apple QuickTime Pro