

ACADEMIC VITAE

STEPHEN F. CROUSE, Ph.D., FACSM

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Date

January 2013

EDUCATION

The United States Air Force Academy, Colorado Springs, Colorado: Resigned, 1970
Drake University, Des Moines, Iowa: B.S.E., Biology, 1975
The University of New Mexico, Albuquerque, New Mexico: Ph.D., Exercise Physiology, 1984
University of Wisconsin – La Crosse, La Crosse, Wisconsin: Post-Doc, Clinical Exercise Physiology, 1984

CERTIFICATION

Preventive/Rehabilitative Exercise Program Director, The American College of Sports Medicine, Certification Number 177

EXPERIENCE

1998 - Present **Professor**, Health and Kinesiology, Texas A&M University, College Station, Texas
Member, Graduate Faculty of Nutrition, Nutrition and Food Science, Texas A&M University
2005 - Present **Joint Professor of Internal Medicine**, Texas A&M University Health Science Center
1997 - Present **Assistant for Strength & Conditioning Performance & Research**, Athletics, Texas A&M University
1986 - Present **Director**, Applied Exercise Science Laboratory, Texas A&M University
Director, FitLife Exercise Program, Texas A&M University
2008 - 2010 **Director**, Huffines Institute for Sports Medicine and Human Performance, Texas A&M University
2003 - 2008 **Associate Department Head for Kinesiology**, Texas A&M University
Interim Director, Huffines Institute for Sports Medicine and Human Performance, Texas A&M University
1984 - 2003 **Chair**, Applied Exercise Physiology Undergraduate Program, Texas A&M University
2002 - 2003 **Associate Dean for Graduate Studies**, College of Education, Texas A&M University
2001 - 2002 **Associate Department Head**, Health and Kinesiology Graduate Programs, Texas A&M University
1995 - 2002 **Chair**, Health & Kinesiology Graduate Programs, Texas A&M University
1990 - 1997 **Associate Professor**, Health and Kinesiology, Texas A&M University
1984 -1989 **Assistant Professor**, Health and Kinesiology, Texas A&M University
1983 -1984 **Post-Doctoral Fellow**, The LaCrosse Exercise Program, The University of Wisconsin at LaCrosse and Gundersen Clinic, Ltd., LaCrosse, Wisconsin
1983 **Instructor**, Health and Physical Education, The University of New Mexico, Albuquerque, New Mexico
1979 -1982 **Graduate Teaching Assistant**, Health and Physical Education, The University of New Mexico, Albuquerque, New Mexico
1977 -1979 **Biology and Physical Education Teacher**, East Grand Community Schools, Granby, Colorado
1975 -1977 **Biology and Physical Education Teacher**, Reinbeck Community Schools, Reinbeck, Iowa

PROFESSIONAL MEMBERSHIPS AND RESPONSIBILITIES

American College of Sports Medicine, Fellow, 1990 - present
American Heart Association, Board of Directors, Brazos County Division, 1990 - 1992
American Physiological Society, Member, 1996 - present

Association for Worksite Health Promotion (formally AFB), 1988 - 2000
Fellow, 1998 - 2000
Education Committee, Member, September 1990 - 1991
Research Track/Student Chair, Conference Committee, 1990 - 1991
Vice-President for Education, 1991 - 1992
Research Committee, 1992 - 1999
Nomination Committee, 1993
Research Track Chair, Conference Committee, 1992 - 1993
Research Subcommittee, Education Committee, 1994 - 1999

Region VI Association for Worksite Health Promotion, Education Director, Board of Directors, 1988 - 1991
Texas Chapter American College of Sports Medicine, Continuing Education Director, 1989 - 1991

COMMITTEE MEMBERSHIPS

Texas A&M University

Texas A&M University Graduate Council, Graduate Faculty Representative, 1998 - 2003
College of Education and Human Development, Graduate Instruction Committee, 1995 - 2002; Chair, 2001 - 2002
Department of Health and Kinesiology, Committee on Applied Exercise Physiology, Chair, 1984 - 2003
Graduate Faculty, Member, 1984 - present
Texas A&M University Interdisciplinary Research Initiatives Proposal Review Committee, 1997
Texas A&M University Health Promotion Advisory Committee, Member, 1991 - 1994
Department of Health and Kinesiology Read Scholarship Committee, Member, 1987 - 1989, Chair, 1990 - 1991
Department of Health and Kinesiology Tenure and Promotion Committee, 1998 - present, Chair, 2007
Department of Health and Kinesiology Finance Advisory Committee, Member, 2007
College Education and Human Development, CDLR Review Committee, Member 2006

National Coalition for Promoting Physical Activity

Program Committee, Member, 1998

INSTRUCTIONAL RESPONSIBILITIES

List of Courses Taught

Undergraduate

KINE 402	Pre-Internship Field Experience
KINE 433	Physiology of Exercise
KINE 439	Exercise Evaluation and Prescription
KINE 483	Practicum in Kinesiology
KINE 484	Professional Internship

Graduate

KINE 639	Exercise Electrocardiography
KINE 648	Instrumentation and Techniques in Exercise Physiology
KINE 682	Seminar in Lipids and Exercise
KINE 683	Practicum in Kinesiology
KINE 684	Professional Internship
KINE 685	Directed Studies
KINE 691	Research
MEID 901	Leadership in Medicine-Preventive Medicine Track, College of Medicine. Teach: "Standards and Practice for Exercise Testing in Health and Disease"
MEID 956	Cardiovascular Block. Physiology: CV Integration, Clinical Exercise Testing
MPHY 606	Cardiac and Integrative Cardiovascular Physiology, College of Medicine. Teach: "Exercise Electrocardiography and Stress Testing"
SBTM 612	Experimental Techniques in Molecular, Cell, and Systems Biology II, College of Medicine. Teach: "Diagnostic Graded Exercise Testing in Clinical Practice"

Graduate Advising

Thesis Committee Chaired: 4

Deborah Schiller	<i>The Effects of Three Different Frequencies of Low Intensity Walking on Exercise Adherence in a Sedentary Female Workforce</i>
Roger Bounds	<i>The Influence of Diet on the Lipid Response to Acute Exercise</i>
Mandy Clark	<i>Diet Composition and Performance of Female Collegiate Soccer Players</i>
Glenda Crawford	<i>Effect of Carbohydrate and Carbohydrate-Protein Supplementation on Power Performance in Collegiate Football Players Performing a Simulated Game Task</i>

Non-Thesis Committees Chaired: more than 150

Dissertation and Record of Study Committees Chaired: 7

Nico Pronk	<i>The Effects of Menopausal Status and Exercise Intensity on Short-Term Changes in Plasma Lipids and Lipoproteins</i>
John Green	<i>An Analysis of Left Ventricular Structure and Function in Post-Menopausal Women Classified According to Exercise Training and Hormone Replacement Status</i>
Peter Grandjean	<i>The Effect of a Single Session of Exercise on the Lipid Profile and Indices of Reverse Cholesterol Transport in Hypercholesterolemic Men</i>
Shelly Weise	<i>The Short-Term Influence of a Single Session of Aerobic Exercise on Plasma Lipids and Lipoprotein in Postmenopausal Women with High or Normal Cholesterol Levels</i>
Steven Martin	<i>The Effect of Resistance, Endurance, and Combination Exercise on Lipid Metabolism and Non-Traditional Cardiovascular Disease Risk Markers in Previously Untrained Men</i>
Nicholas P. Greene	<i>PPARS: Potential Mechanisms Regulating Blood Lipid And Lipoprotein Concentrations at Rest and Following Exercise In the Obese</i>
Jonathan M. Oliver	<i>Intra-Set Rest Intervals in Hypertrophic Training: Effects on Hypertrophy, Strength, Power, and Myosin Heavy Chain Composition</i>

EDITORIAL BOARD MEMBERSHIPS

Medicine and Science in Sports and Exercise. Editorial Board Member, 2005 – present.
Journal of Strength and Conditioning Research. Associate Editor, 2007 – present.

PUBLICATIONS

Books and Videotapes

- Crouse, S.F. & Coast, J.R. (2011) Clinical Exercise Physiology Laboratory Manual: Physiology Assessments in Health, Disease and Sport Performance. (2nd Ed). Dubuque: Kendall Hunt Publishing Company.
- Coast, J.R., Crouse, S.F., & Jessup, G. (1994). Exercise Physiology Videolabs Manual. Dubuque: Wm. C. Brown Communications, Inc.
- Coast, J.R., Crouse, S.F., & Jessup, G. (1994). Exercise Physiology Videolabs. Dubuque: Wm. C. Brown Communications, Inc.

Chapters in Edited Books, Monographs and Published Reports

- Ribeiro, F.R.B., Rhoades, R.D., Tedeschi, L.O., Smith, S.B., Martin, S.E. & Crouse, S.F. (2009-2010). Evaluating the application of dual x-ray absorptiometry (DEXA) to assess dissectible fat and muscle from the 9 to 11th rib section of beef cattle, Beef Cattle Research in Texas, pp. 81-84.

Publications, Continued

- Crouse, S.F. (2005) Acute changes in lipids and lipoprotein-lipids induced by exercise. In Moffatt, R.J. & Stamford, B. (Eds.), Lipid Metabolism and Health, Boca Raton: Taylor & Francis Group, CRC Press.
- Grandjean, P.W. & Crouse, S.F. (2004) Lipid and lipoprotein disorders. In LeMura, L.M. & von Duvillard, S.P. (Eds.), Clinical Exercise Physiology: Application and Physiological Principles, Philadelphia:Lippincott, Williams & Wilkins.
- Durstine, J.L., Crouse, S.F. & Moffatt, R.J. (1999) Lipids in exercise and sports. In Driskell, J.A. & Wolinsky, I.(Eds.), Energy-Yielding Macronutrients and Energy Metabolism in Sports Nutrition, Boca Raton: CRC Press LLC.
- Meyers, M.C., Sterling, J.C. & Crouse, S.F. (1992). Athletic heart syndrome in collegiate baseball players. In Simpson, W.K., LeUnes, A. & Picou, J.S. (Eds.) Applied Research in Coaching and Athletics Annual (pp. 92-104) Boston: American Press.
- Hooper, P.L. & Crouse, S.F. (1988). Exercise and high-density lipoprotein: A mechanism for coronary artery disease risk reduction. In Appenzeller, O. (Ed.), Sports Medicine - Fitness, Training, Injuries (3rd ed.) (pp. 221-238) Munich: Urban and Schwarzenberg.
- Moritani, T., Crouse, S.F., Shea, C.H. & Sugimoto, H. (1987). Applications of fast fourier transform (FFT) in noninvasive measurements of physiological parameters in humans. In Shea, C.S. & Dowell, L.J. (Eds.), Human Performance Monograph (pp. 85-95), College Station: Texas A&M University.

Refereed Journal Articles Published

- Oliver, J.M., Jaigim, A.R., Sanchez, A.C., Mardock, M.A., Kelly, K.A., Meredith, H.J., Smith, G.L. Greenwood, M, Parker, J.L., Riechman, S.E. Fluckey, J.D., Crouse S.F., & Kreider, R.B. (2013) Greater gains in strength and power with intra-set rest intervals in hypertrophic training. Journal of Strength and Conditioning Research (In Press 12/21/12).
- Oliver, J.M., Joubert, D.P., Martin S.E., & Crouse S.F. (2012) Oral creatine supplementation decreases blood lactate during exhaustive, incremental cycling. International Journal of Sport Nutrition & Exercise Metabolism (In Press 10/25/12).
- Greene, N.P., Fluckey, J.D., Lambert, B.S., Greene, E.S., Riechman, S.D., & Crouse S.F. (2012) Regulators of blood lipids and lipoproteins? PPAR δ and AMPK, induced by exercise, are correlated with lipids and lipoproteins in overweight/obese men and women. American Journal of Physiology - Endocrinology and Metabolism; 303:E1212-E1221.
- Lambert, B.S., Oliver, J.M., Kaats, G.R., Green, J.S., Martin, S.E., & Crouse, S.F. (2012) DEXA or BMI: Clinical considerations for evaluating obesity in collegiate division IA American football athletes. Clinical Journal of Sport Medicine 22(5):436-438.
- Oliver J.M., Lambert B.S., Martin S.E., Green J.S., & Crouse S.F. (2012) Predicting collegiate football player DEXA body composition using standard measures. Journal of Athletic Training 47:257-263.
- Greene, N.P., Martin, S.E. & Crouse, S.F. (2012) Acute exercise and training alter blood lipid and lipoprotein profiles differently in overweight and obese men and women. Obesity 20:1618-1627.
- Berent, R., vonDuvillard, S.P., Crouse, S.F., Auer, J., Green, J.S., Niebauer, J. & Schmid, P. (2012) Discontinuation of combined resistance-endurance training increases cardiovascular risk factors. International Journal of Cardiology 156:229-231.
- Gilmore, L.A., Walzem, R.L., Crouse, S.F., Smith, D.R., Adams, T.H., Vaidyanathan, V., Cao, Z., & Smith, S.B. (2011) Consumption of high-oleic acid ground beef increases HDL-Cholesterol concentration but both high- and low-oleic acid ground beef decrease HDL particle diameter in normocholesterolemic men. Journal of Nutrition 141:1188-1194.
- Berent, R., vonDuvillard, S.P., Auer, J., Sinzinger, H., Crouse, S.F., Green, J.S. & Schmid, P. (2011) Increased resistance training volume does not improve outcomes of combined endurance-resistance training in patients with cardiovascular disease. Archives of Physical Medicine and Rehabilitation, 92 (10), 1527-1533.

Publications, Continued

- Ribeiro, F.R.B., Tedeschi, L.O., Rhoades, R.D., Smith, S.B., Martin, S.E. & Crouse, S.F. (2011) Evaluating the application of dual x-ray absorptiometry to assess dissectible and chemical fat and muscle from the 9 to 11th rib section of beef cattle. Professional Animal Scientist, 27, 472-276.
- Berent, R., Auer, J., Schmid, P., Krennmair, G., Crouse, S.F., Green, J.S., Sinzinger, H. & von Duvillard, S.P. (2011) Periodontal and coronary heart disease in patients undergoing coronary angiography. Metabolism: Clinical and Experimental, 60, 127-133.
- Greene, N.P., Greene, E.S., Carbuhn, A.F., Green, J.S. & Crouse, S.F. (2011) VO₂ prediction and cardiorespiratory responses during underwater treadmill exercise. Research Quarterly for Exercise and Sport, 82 (2), 264-273. (PMID:21699106)
- Carbuhn, A.F., Fernandez, T.E., Bragg, A.F., Green, J.S. & Crouse, S.F. (2010) Sport and training influence bone and body composition in women collegiate athletes. Journal of Strength and Conditioning Research, 24(7),1710-1717.
- Berent, R., von Duvillard, S.P., Crouse, S.F., Auer, J., Green, J.S., Sinzinger, H., & Schmid, P. (2009) Short-term residential cardiac rehabilitation reduces B-type natriuretic peptide. European Journal of Cardiovascular Prevention and Rehabilitation, 16(5), 603-608. (PMID:19494782)
- Crouse, S.F., Meade, T., Hansen, B.E., Green J.S. & Martin, S.E. (2009) Electrocardiograms of collegiate football athletes. Clinical Cardiology, 32(1), 37-42. (PMID:19143003)
- Greene, N.P., Lambert, B.S., Greene, E.S., Carbuhn, A.F., Green, J.S. & Crouse, S.F. (2009) Comparative efficacy of water and land treadmill training for overweight or obese adults. Medicine & Science in Sports & Exercise, 41(9), 1808-1815. (PMID:19657288)
- Berent, R., Auer, J., Lassnig, E. von Duvillard, S.P., Crouse, S.F. & Bernd, E. (2009) Whipple's Disease: Misinterpreted as sarcoidosis with further tricuspid valve endocarditis and pulmonary embolism – a case report. British Medical Journal-Case Reports [doi:10.1136/bcr.07.2008.0441], (PMID:21686811)
- Carbuhn, A.F., Womack, J.W., Green, J.S., Morgan, K., Miller, G.S. & Crouse, S.F. (2008) Performance and blood pressure characteristics of first year NCAA division I football players. Journal of Strength and Conditioning Research, 22(4), 1347-1354. (PMID:18545168)
- Kaiser, G.E., Womack, J.W., Green, J.S., Pollard, B., Miller, G.S. & Crouse, S.F. (2008) Morphological profiles for first year NCAA division I football players. Journal of Strength and Conditioning Research, 22(1), 243-249. (PMID:18296982)
- Miller, G., Dougherty, P.J., Green, J.S. & Crouse, S.F. (2007) Comparison of cardiorespiratory responses of moderately trained men and women using two different treadmill protocols. Journal of Strength and Conditioning Research, 22(4), 1067-1071. (PMID:18076250)
- Berent, R., Crouse, S.F., von Duvillard, S.P., Auer, J., Green, J.S., Sinzinger, H., Steinbrenner, D., Pokan, R. & Schmid, P. (2007) Einfluss der stationären kardiovasculären rehabilitation auf das N-terminal pro natriuretische peptid B (NT-proBNP) und die leistungsfähigkeit bei 193 kardialen patienten. Osterreichisches Journal für Sportmedizin 37(2/3), 63-72.
- Green, J.S., Peterson, R., Womack, W., Hill, K., Schmitz, R., Brekken, K., Kimbrough, S. & Crouse, S. (2007) Perceived versus actual heart disease risk in college health and kinesiology students. Canadian Journal of Kinesiology, 1(2), 14-17.
- Miller, T.A., Thierry-Aguilera, R., Congleton, J.J., Amendola, A.A., Clark, M.J., Crouse, S.F., Martin, S.E. & Jenkins, O.C. (2007) Seasonal changes in VO₂max among division 1A collegiate women soccer players. Journal of Strength and Conditioning Research, 21(1), 48-51. (PMID:17313258)
- Weise, S.D., Grandjean, P.W., Rohack, J.J., Womack, J.W. & Crouse, S.F. (2005) Acute changes in blood lipids and enzymes in postmenopausal women after exercise. Journal of Applied Physiology, 99 (2), 609-615. (PMID:15774702)
- Glowacki, S.P., Martin, S.E., Maurer, A., Baek, W., Green, J.S. & Crouse, S.F. (2004) Effects of resistance, endurance,

Publications, Continued

- and concurrent exercise on training outcomes in men. Medicine and Science in Sports and Exercise, 36(12), 2119-2127. (PMID:15570149)
- Clark, M., Reed, D.B., Crouse, S.F. & Armstrong, R.B. (2003) Pre- and post-season dietary intake, body composition, and performance indices of NCAA division I female soccer players. International Journal of Sport Nutrition and Exercise Metabolism, 13, 303-319. (PMID:14669931)
- Lawler, J.M., Hu, Z., Green, J.S., Crouse, S.F., Grandjean, P.W. & Bounds, R.G. (2002) Combination of estrogen replacement and exercise protects against HDL oxidation in post-menopausal women. International Journal of Sports Medicine, 23, 477-483. (PMID:12402178)
- Thompson, P.D., Crouse, S.F., Goodpaster, B., Kelley, D., Moyna, N. & Pescatello, L. (2001) The acute versus the chronic response to exercise. Medicine and Science in Sports and Exercise, 33(6)(Suppl.), S438-S445. (PMID:11427768)
- Green, J.S., Grandjean, P.W., Weise, S., Crouse, S.F. & Rohack, J.J. (2001). The influence of exercise and estrogen replacement on primary lipid coronary risk markers in postmenopausal women. Journal of Aging and Physical Activity, 9, 115-127.
- Womack, J.W., Green, J.S. & Crouse, S.F. (2000) Cardiovascular risk markers in fire fighters: A longitudinal study. Cardiovascular Reviews & Reports, 21, 544-548.
- Grandjean, P.W., Crouse, S.F., O'Brien, B.C. & Rohack, J.J. (2000) Influence of cholesterol status on blood lipid and lipoprotein enzyme responses to aerobic exercise. Journal of Applied Physiology, 89, 472-480. (PMID:10926628)
- Bounds, R.G., Martin, S.M., Crouse, S.F., O'Brien, B.C., Grandjean, P.W. & Inman, C. (2000) Diet and short term plasma lipoprotein-lipid changes after exercise in trained men. International Journal of Sports Nutrition, 10, 114-127. (PMID:10861333)
- Wagner, M., McBride, R. & Crouse, S.F. (1999) Effects of weight training on aggression variables in adult male inmates. The Prison Journal, 79(1), 72-89.
- Grandjean, P.W., Crouse, S.F., O'Brien, B.C., Rohack, J.J. & Brown, J.A. (1998) The effects of menopausal status and exercise training on serum lipids and the activities of intravascular enzymes related to lipid transport. Metabolism, 47(4), 377-383. (PMID:9550532)
- Green, J.S., Crouse, S.F. & Rohack, J.J. (1998) Peak exercise hemodynamics in exercising postmenopausal women taking versus not taking supplemental estrogen. Medicine and Science in Sports and Exercise, 30(1), 158-164. (PMID:9475658)
- Crouse, S.F., O'Brien, B.C., Grandjean, P.W., Lowe, R.C., Rohack, J.J. & Green, J.S. (1997) Effects of training and a single session of exercise on lipids and apolipoproteins in hypercholesterolemic men. Journal of Applied Physiology, 83(6), 2019-2028. (PMID:9390976)
- Crouse, S.F., O'Brien, B.C., Grandjean, P.W., Lowe, R.C., Rohack, J.J., Green, J.S. & Tolson, H. (1997) Training intensity, blood lipids, and apolipoproteins in men with high cholesterol. Journal of Applied Physiology, 82(1), 270-277. (PMID:9029226)
- Cruzado, I.D., Song, S., Crouse, S.F., O'Brien, B.C. & Macfarlane, R.D. (1996) Characterization and quantitation of the apoproteins of high-density lipoprotein by capillary electrophoresis. Analytical Biochemistry, 243, 100-109.
- Grandjean, P.W., Oden, G.L., Crouse, S.F., Brown, J.A. & Green, J.S. (1996) Lipid and lipoprotein changes in women following six months of exercise training in a worksite fitness program. The Journal of Sports Medicine and Physical Fitness, 36, 54-59.
- Crouse, S.F., O'Brien, B.C., Rohack, J.J., Lowe, R.C., Green, J.S., Tolson, H. & Reed, J.L. (1995) Changes in serum lipids and apolipoproteins after exercise in men with high cholesterol: influence of intensity. Journal of Applied Physiology, 79(1), 279-286. (PMID:7559232)

Publications, Continued

- Pronk, N.P., Crouse, S.F., O'Brien, B.C. & Rohack, J.J. (1995) Acute effects of walking on serum lipids and lipoproteins in women. The Journal of Sports Medicine and Physical Fitness, 35, 50-58.
- Green, J.S. & Crouse, S.F. (1995) The effects of endurance training on functional capacity in the elderly: A meta-analysis. Medicine & Science in Sports and Exercise, 27(6), 920-926.
- Pronk, N.P., Crouse, S.F. & Rohack, J.J. (1995). Maximal exercise and acute mood response in women. Physiology & Behavior, 57(1), 1-4.
- Willoughby, D.S., Green, J.S., Sebesta, T. & Crouse, S.F. (1994) A comparison of cardiac function in strength and endurance trained athletes with left ventricular hypertrophy. Journal of Human Movement Studies, 25(25), 217-235.
- Pronk, N.P., Jawad, A.F., Crouse, S.F. & Rohack, J.J. (1994) Acute effects of walking on mood profiles in women: Preliminary findings in postmenopausal women. Medicine, Exercise, Nutrition and Health, 3(3), 148-155.
- Green, J.S. & Crouse, S.F. (1993) Endurance training, cardiovascular function and the aged. Sports Medicine, 16(5), 331-341.
- Green, J.S. & Crouse, S.F. (1993) Aging, cardiovascular function, and endurance exercise: An analytical review. Medicine, Exercise, Nutrition, and Health, 2(6), 299-309.
- Jacobsen, D.J., Crouse, S.F., Rohack, J.J., Lowe, R.C. & Pronk, N.P. (1993) Hematological status of female basketball players. Clinical Journal of Sports Medicine, 3(2), 82-85.
- Crouse, S.F., Rohack, J.J. & Jacobsen, D.J. (1992) Cardiac structure and function in women basketball athletes: Seasonal variation and comparisons with nonathletic controls. Research Quarterly for Exercise and Sport, 63(4), 393-401.
- Green, J.S. & Crouse, S.F. (1991) The effects of mandatory exercise training on the physical fitness and ischemic heart disease risk factors of fire fighters. International Archives of Occupational and Environmental Health, 63, 51-55.
- Crouse, S.F., Lessard, C.S., Rhodes, J. & Lowe, R.C. (1990) Oxygen consumption and cardiac response of shortleg and longleg prosthetic ambulation in a bilateral above-knee amputee: Comparison with able-bodied men. Archives of Physical Medicine and Rehabilitation, 71(5), 223-227.
- Crouse, S.F., Sterling, J.C., Tolson, H. & Hasson, S. (1989) The effect of beta-adrenergic blockade on heart rate recovery from exercise. Journal of Cardiopulmonary Rehabilitation, 9(5), 202-206.
- Meyers, M.C., Potter, G.D., Evans, J.W., Greene, L.W. & Crouse, S.F. (1989) Physiologic and metabolic response of exercising horses to added dietary fat. Journal of Equine Veterinary Science, 9(4), 218-223.
- Oden, G.L., Crouse, S.F. & Reynolds, C.J. (1989) Worker productivity, job satisfaction and work related stress: The influence of an employee fitness program. Fitness in Business, 3(6), 198-204.
- Felts, M., Crouse, S.F. & Brunetz, M. (1988) Influence of aerobic fitness on ratings of perceived exertion during light to moderate exercise. Perceptual and Motor Skills, 67, 671-676.
- Fang, C.L., Sherman, W.M., Crouse, S.F. & Tolson, H. (1988) Exercise modality and selected coronary risk factors: A multivariate approach. Medicine and Science in Sports and Exercise, 20, 455-462.
- Gabbard, C.P. & Crouse, S.F. (1988) Children and exercise: Myths and facts. The Physical Educator, 45, 39-43.
- Moritani, T., Crouse, S.F., Shea, C.H., Davidson, N. & Nakamura, E. (1987) Arterial pulse wave velocity, fourier pulsatility index and blood lipid profiles. Medicine and Science in Sports and Exercise, 19, 404-409.
- Crouse, S.F., Hooper, P.L., Atterbom, H.A. & Papenfuss, R.L. (1984) Zinc ingestion and lipoprotein values in sedentary and endurance-trained men. Journal of the American Medical Association, 252, 785-787.

Publications, Continued

Refereed Abstracts Published (including site of presentation)

- Wu, X., Cao, X., Clifford, A.J., Chuang, J., Smith, S.B., Crouse, S.F., Walzem, R.L. (2012) Effect of ground beef fatty acid composition on atherosclerotic cardiovascular disease risk factors in healthy men. (Abstract) The FASEB Journal, 26, 1014.9. (Experimental Biology International Meeting, San Diego, CA, April 2012)
- Wu, X., Smith, S.B., Crouse, S.F., Pedersen, T.L., Newman, J.W., Walzem, R.L. (2012) Ground beef consumption and MUFA:SAT alters HDL oxylipin profile in healthy men. (Abstract) The FASEB Journal, 26, 1014.8. (Experimental Biology International Meeting, San Diego, CA, April, 2012)
- Oliver, J.M., Jagim, A.R., Sanchez, A.C., Kresta, J.Y., Mardock, M.A., Crouse, S.F., Kreider, R.B. (2012) Greater strength and power output after a 12 week training program designed to elicit hypertrophy using intra-set rest intervals. (Abstract) Journal of Strength and Conditioning Research (NSCA National Conference, Providence, RI, March, 2012).
- Carradine, A.T., Lambert, B.S., Greene, N.P., Constanzo, T.W., Martin, S. E., Crouse, S.F. (2012) Exercise blood pressures are lower after aquatic compared to land treadmill training. (Abstract) International Journal of Exercise Science: Conference Abstract Submission, 2: Iss. 4, Article 59.
- Joubert, D.P., Lambert, B.S., Crouse, S.F. (2012) Comparison of alter-G treadmill run training to land treadmill training. (Abstract) Medicine and Science in Sports & Exercise, 44 (5): S689.
- Martin, S.E., Green, J.S., Gill, K., Lambert, B., Oliver, J., McCammon, K., Dobson, J., Crouse, S.F. (2012) Is it Wolff Parkinson White or not –FBS college football player. (Abstract) Medicine and Science in Sports & Exercise, 44(2):S153.
- Crouse, S.F., Lambert, B.S., Greene, N.P., Constanzo, T.W., & Martin, S.E. (2012) Exercise blood pressures are lower after aquatic compared to land treadmill training. (Abstract) The FASEB Journal, 26, 1142.35. (Experimental Biology International Meeting, San Diego, CA, April 2012)
- Lambert, B.S., Dobson, J.P., & Crouse, S.F. (2012) Chronic changes in serum il-6 and tnf-a following 12 weeks of concurrent resistance and aerobic exercise are dependent on exercise mode and may affect adaptation. (Abstract) Medicine and Science in Sports and Exercise, 44(5)(Suppl.), S613. (American College of Sports Medicine, San Francisco, CA, June 2012)
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- Oliver, J.M., Crouse, S., Tanguay, J., Weir, D. & Martin, S. (2011) Seasonal changes in blood lipids in freshmen NCAA-IA football players. (Abstract) Medicine and Science in Sports and Exercise, 43 (5)(Suppl.), S1. (American College of Sports Medicine, Denver, CO, June 2011)
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Publications, Continued

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- Grandjean, P.W., Weise, S.F., Crouse, S.F., O'Brien, B.C. & Rohack, J.J. (1998) Acute LCATa and CETPa responses to exercise in postmenopausal women with different [HDL-C]. (Abstract) Medicine and Science in Sports and Exercise, 30(5)(Suppl.), S308. (American College of Sports Medicine, Orlando, FL, 1998)
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- Crouse, S., O'Brien, B., Grandjean, P., Rohack, J., Green, J. & Lowe, R. (1995) Postexercise lipid changes in hypercholesterolemic men: Effects of training and intensity. (Abstract) Medicine and Science in Sports and Exercise, 27(5)(Suppl.), S70. (American College of Sports Medicine, Minneapolis, MN, 1995)
- Green, J.S., Crouse, S.F. & Grandjean, P.W. (1995) The influence of menopausal status, independent of age, on resting and maximal cardiovascular parameters. (Abstract) Medicine and Science in Sports and Exercise, 27(5)(Suppl.), S189. (American College of Sports Medicine, Minneapolis, MN, 1995)
- Booker, C., Green, J., Crouse, S. & Grandjean, P. (1995) Menopausal status, independent of age, does not influence training induced changes in VO_{2max} . (Abstract) Medicine and Science in Sports and Exercise, 27(5)(Suppl.), S191. (American College of Sports Medicine, Minneapolis, MN, 1995)
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- Green, J.S. & Crouse, S.F. (1994) Using discriminant analysis to predict exercise induced changes in HDL-cholesterol in hyperlipidemic men. (Abstract) Medicine & Science in Sports & Exercise, 26(5)(Suppl.), S5. (American College of Sports Medicine, Indianapolis, IN, 1994)
- Owen, S.A., Green, J.A. & Crouse, S.F. (1994). The effects of endurance exercise training in reducing systolic and diastolic blood pressure in hyperlipidemic men: Hypertensives vs. normotensives. (Abstract) Medicine and Science in Sports and Exercise, 26(5)(Suppl.), S217. (American College of Sports Medicine, Indianapolis, IN, 1994)
- Grandjean, P.W., Crouse, S.F., Rohack, J.J., O'Brien, B.C. & Brown, J.A. (1994) Lipid response to exercise training in pre- and post-menopausal women. (Abstract) Medicine & Science in Sports & Exercise, 26(5)(Suppl.), S151. (American College of Sports Medicine, Indianapolis, IN, 1994)
- Crouse, S.F., Pronk, N.P., O'Brien, B., Rohack, J.J. & Green, J.S. (1993) Factors predicting short-term changes in lipids after exercise in women. (Abstract) Medicine and Science in Sports and Exercise, 25(5)(Suppl.), S179. (American College of Sports Medicine, Seattle, WA, 1993)
- Pronk, N.P., Crouse, S.F., O'Brien, B. & Rohack, J.J. (1993) Effects of menopausal status and exercise intensity on short-term changes in serum lipids and lipoproteins. (Abstract) Medicine and Science in Sports and Exercise, 25(5)(Suppl.), S178. (American College of Sports Medicine, Seattle, WA, 1993)
- Green, J.S., Douphrate, D.I., Heffner, K.D., Berman, W.I. & Crouse, S.F. (1993) Evaluation of 3 near-infrared instruments for body composition assessment in a cardiac patient population. (Abstract) Medicine and Science in Sports and Exercise, 25(5)(Suppl.), S38. (American College of Sports Medicine, Seattle, WA, 1993)
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- Pronk, N.P., Lowe, R.C. & Crouse, S.F. (1991) Error in body composition measurement due to predicted residual volume following training. (Abstract) Medicine and Science in Sports and Exercise, 23(4)(Suppl.), S107. (American College of Sports Medicine, Orlando, FL, 1991)
- Crouse, S.F., Lowe, R.C. & O'Brien, B. (1991) Differential effects of low and high intensity exercise on serum lipids in untrained, hypercholesterolemic men. (Abstract) Medicine and Science in Sports and Exercise, 23(4)(Suppl.), S112. (American College of Sports Medicine, Orlando, FL, 1991)
- Lowe, R.C., Crouse, S.F. & O'Brien, B. (1991) The effect of chronic endurance training on blood lipids in previously sedentary, hypercholesterolemic middle-aged males. (Abstract) Medicine and Science in Sports and Exercise, 23(4)(Suppl.), S112. (American College of Sports Medicine, Orlando, FL, 1991)
- Green, J.S., Crouse, S.F. & Lowe, R.C. (1991) Predicting LDL cholesterol levels from caloric expenditure in sedentary men before and after endurance training. (Abstract) Medicine and Science in Sports and Exercise, 23(4)(Suppl.), S113. (American College of Sports Medicine, Orlando, FL, 1991)
- Crouse, S.F., Rohack, J.J. & Jacobsen, D.J. (1991) Heart size and wall thickness in women basketball athletes after detraining. (Abstract) Abstracts of Research Papers 1991 AAHPERD Convention, 140. (American Alliance for Health, Physical Education, Recreation, and Dance, San Francisco, CA, 1991)
- Lowe, R.C., Jacobsen, D.J. & Crouse, S.F. (1991) Estimation of submaximal training intensity from measured maximal oxygen uptake in sedentary middle-aged males: Is it valid? (Abstract) Abstracts of Research Papers 1991 AAHPERD Convention, 148. (American Alliance for Health, Physical Education, Recreation, and Dance, San Francisco, CA, 1991)
- Pronk, N.P., Lowe R.C. & Crouse, S.F. (1991) Effects of high and low intensity exercise on residual volume and body composition in previously sedentary men. (Abstract) Abstracts of Research Papers 1991 AAHPERD Convention, 293. (American Alliance for Health, Physical Education, Recreation, and Dance, San Francisco, CA, 1991)
- Green, J.S. & Crouse, S.F. (1991) The effects of mandatory exercise training on physical fitness and ischemic heart disease risk factors of fire fighters. (Abstract) Abstracts of Research Papers 1991 AAHPERD Convention, 291. (American Alliance for Health, Physical Education, Recreation, and Dance, San Francisco, CA, 1991)
- Crouse, S.F., Rohack, J.J. & Jacobsen, D.J. (1990) Heart size and wall thickness of female collegiate basketball athletes compared to age-matched controls. (Abstract) Medicine and Science in Sports and Exercise, 22(2)(Suppl.), S66. (American College of Sports Medicine, Salt Lake City, UT, 1990)
- Lowe, R.C., Crouse, S.F. & O'Brien, B. (1990) Acute changes in total, high-density, lipoprotein cholesterol and subfractions following isocaloric exercise of different intensities. (Abstract) Medicine and Science in Sports and Exercise, 22(2)(Suppl.), S59. (American College of Sports Medicine, Salt Lake City, UT, 1990)
- Crouse, S.F. & Jacobsen, D.J. (1990) Physiologic and biochemical characteristics of female collegiate basketball players compared to nonathletes. (Abstract) Abstracts of Research Papers 1990 AAHPERD Convention, 71. (American Alliance for Health, Physical Education, Recreation, and Dance, New Orleans, LA, 1990)
- Hasson, S., Rahr, R., Richmond, S., Thames, T., Scott, S., Miller, S. & Crouse, S. (1990) Effect of varying exercise training intensity on fitness parameters. (Abstract) Cardiopulmonary Physical Therapy Journal, 1, 13.
- Hasson, S., Rahr, R., Richmond, S., DeJong, F., Roberts, T., Haisler, J. & Crouse, S. (1990) Effect of aerobic dance on fitness parameters. (Abstract) Journal of Cardiopulmonary Rehabilitation, 19, 399.
- Crouse, S.F., Coast, J.R. & Sterling, J.C. (1989) The effect of calcium channel blockade on skeletal muscle contractile performance. (Abstract) Medicine and Science in Sports and Exercise, 21(2) Suppl.), S67. (American College of Sports Medicine, Baltimore, MD, 1989)

Publications, Continued

- Coast, J.R., Crouse, S.F., Sterling, J.C. & Krause, K.M. (1989) Effect of calcium channel blockers on pulmonary function. (Abstract) Medicine and Science in Sports and Exercise, 21(2)(Suppl.), S21. (American College of Sports Medicine, Baltimore, MD, 1989)
- Crouse, S.F. & Jacobsen, D.J. (1989) Anaerobic power in female collegiate basketball athletes. (Abstract) Abstracts of Research Papers 1989 AAHPERD Convention. (American Alliance of Health, Physical Education, Recreation, and Dance, Boston, MA, 1989)
- Crouse, S.F. & Moritani, T. (1988) Effects of beta-adrenergic blockade on the EMG during submaximal bicycle exercise. (Abstract) Medicine and Science in Sports and Exercise, 20(2)(Suppl.), S16. (American College of Sports Medicine, Dallas, TX, 1988)
- Rhodes, J., Coast, J.R. & Crouse, S.F. (1988) Arterial desaturation in healthy untrained subjects. (Abstract) Medicine and Science in Sports and Exercise, 20(2)(Suppl.), S47. (American College of Sports Medicine, Dallas, TX 1988)
- Crouse, S.F. (1988) Beta-adrenergic blockade and skeletal muscle contractile performance. (Abstract) Abstracts of Research Papers 1988 AAHPERD Convention. (American Alliance of Health, Physical Education, Recreation, and Dance, Kansas City, MO, 1988)
- Crouse, S.F., Hasson, S., Mulligan, L., VanDuser, B., & Shea, C.H. (1987) Heart rate kinetics during recovery from exercise: Effect of beta adrenergic blockade. (Abstract) Journal of Cardiopulmonary Rehabilitation, 11, S438. (American Association of Cardiovascular and Pulmonary Rehabilitation, Dallas, TX, 1986)
- Crowell, D.L., Crouse, S.F., Hooper, P.L. & Simon, T.L. (1985) Hematological parameters in endurance-trained and sedentary men. (Abstract) Medicine and Science in Sports and Exercise, 17(2), 293. (American College of Sports Medicine, Nashville, TN, 1985)

RESEARCH GRANTS

Funded Grants

- Crouse, S.F. (PI) & Fluckey, J. (Co-I). Protein Synthesis in Skeletal Muscle: Effects of Combined HydroWorx & Resistance Training. HydroWorx International, Inc. 7/1/2012-12/31/2012, \$20,978.
- Crouse, S.F. (PI). Algal DHA Supplementation Effects on Markers of Inflammation, Muscle Power and Lipid CHD Risk in Collegiate Football Athletes During Sport Training. Martek Biosciences Corp. 6/1/2010-12/31/2010, \$139,459.
- Crouse, S.F., (PI). HydroWorx Combined with Resistance Training: A Study of a Potential Reduction in Muscle Soreness, Inflammation, and Body Fat Accompanied by Increased Muscle Mass, Muscle Strength, and Physical Fitness Compared with Resistance Training Alone or Combined with Land-Treadmill Training. HydroWorx International, Inc., 02/01/2010-01/31/2011, no cost extension to 08/31/11, \$25,000.
- Lambert, B., (PI), Crouse, S.F. (Co-PI) & Greene, N.P. (Co-I). Acute and chronic intracellular responses to concurrent aerobic and resistance exercise as well as the incorporation of underwater treadmill running: A novel approach for minimizing the interference effect. National Strength and Conditioning Association, Student Research Grant. 2/21/09-2/28/10, \$9,960.
- Greene, N.P. (PI) & Crouse, S.F.(Co-PI). PPARs and Obesity: Potential Mechanisms for the Influence of Exercise on Metabolic Diseases. Student Research Award, American College of Sports Medicine, Texas Chapter. 2/21/09-2/28/10, \$1,000.
- Greene, N.P.(PI) & Crouse, S.F. (Co-PI). Effect of Acute Exercise and Exercise Training on PPAR Expression in Human Skeletal Muscle, Possible Mechanisms for Changes in Blood Lipids. Student Research Award. American College of Sports Medicine, Texas Chapter, 3/1/08-2/28/09, \$1,000.
- Crouse, S.F., (PI). The Effects of NRG InterX Therapy on Delayed Onset Muscle Soreness: Comparisons with Standard Treatment. 6/1/2006 – 1/31/2007, \$40,250.

Grants and Contracts, Continued

- Crouse, S.F., (PI). Effectiveness of Hydrotherapy and Hydrotraining in the HydroWorx Fitness Pools. HydroWorx International, Inc., 2/1/2006 - 1/31/2007, no cost extension to 08/31/2008, \$139,800.
- Lupton, J. (PI), Turner, N, Chapkin, R., Wu, G., Dorman, S.M., Crouse, S.F., Delp, M., Lawler, J., Armstrong, R.B., Walzem, R., Ford, J., & Braby, L. (Co-Investigators). A Graduate Education Program Focusing on Space Life Sciences. Baylor College of Medicine (NSBR1), 10/01/04-9/30/05, \$90,661.
- Watts, C.E. (PI), McIntosh, A., Anding, J., Crouse, S., Witt, P., & Carson, D.E., (Co-Investigators). Addressing Obesity through After-school Programs: A Pilot Study of the Food and Fitness Fun Education Program. Children, Youth and Family Research Initiative, 5/1/2005-6/30/2006, \$14,936.32.
- Crouse, S.F. (PI). Effect of Carbohydrate and Carbohydrate-Protein on Power Performance in Collegiate Football Players. Gatorade, The Quaker Oats Company, 7/1/04-12/31/04, \$14,441.
- Crouse, S.F. & Martin, S.E. (Co-PI). Chronic Coronary Occlusion, Exercise Training, and Regulation of Lipid-Lipoprotein Metabolism. The Florence Oeding Estate, State of Texas Foundation, 6/2000-6/2001, \$2,000. Continuation Award, 8/2001-8/2007, \$12,000.
- Crouse, S.F. & Nizielski, S.E. (Co-PI). The Role of Adenosine in Modulating Adipose Tissue Metabolism in Response to Exercise and Aging. Interdisciplinary Research Initiative Program, Texas A&M University, College Station, TX, 5/00-4/01, \$25,000.
- Crouse, S.F. (PI). Acute and Chronic Effects of Resistance Training vs. Endurance Training on the Lipid Profile in Healthy Men and Women. Faculty Mini-Grant Program, Texas A&M University, College Station, TX, 6/00-5/01, \$1,500.
- Crouse, S.F. (PI). The Effects of Total Body Exercise vs. Lower Body Exercise on the Lipid Profile in Healthy Men and Women. Enhancing Excellence-Minigrants, Texas A&M University, College Station, TX, 11/98-10/99, \$1,300.
- Crouse, S.F. (PI). The Effects of Total Body Exercise vs. Lower Body Exercise on the Lipid Profile in Healthy College Aged Males. College of Education Research Enhancement Grant, Texas A&M University, College Station, TX, 6/98-7/98, \$500.
- Green, J.S. & Crouse, S.F. (Co-PI). The Post-Menopausal Heart: Exercise and Hormone Replacement Influences. American College of Sports Medicine Foundation Research Grant for Doctoral Students, Indianapolis, IN, 6/1/95-5/31/96, \$2,211.
- Crouse, S.F., Macfarlane, R.D., O'Brien, B.C. & Rohack, J.J. (Co-PI). The Lipid Profile and Reverse Cholesterol Transport in Hypercholesterolemic Postmenopausal Women after Exercise: New Approaches to Assess Clinically Important Changes in Lipoproteins. Interdisciplinary Research Initiatives, Texas A&M University, College Station, TX, 6/96-5/97, \$24,976.
- Crouse, S.F., O'Brien, B., Macfarlane, R.D. & Rohack, J.J. (Co-PI). The Effect of a Single Session of Exercise on the Lipid Profile and Indices of Reverse Cholesterol Transport in Hypercholesterolemic Men. Interdisciplinary Research Initiatives, Texas A&M University, College Station, TX, 6/95-5/96, \$24,848.
- Crouse, S.F., O'Brien, B.C. & Rohack, J.J. (Co-PI). Exercise Training and Lipids in Pre- and Post-Menopausal Women: A One Year Follow-Up. Texas A&M University Research & Graduate Studies Faculty Mini-Grant, 6/94-12/94, \$800.
- Crouse, S.F., O'Brien, B.C. & Rohack, J.J. (Co-PI). The Influence of Exercise Training on Serum Lipids and Selected Heart Disease Risk Factors in Old and Young Women. The Wallace Genetic Foundation, Katonah, NY, 1/93 - 12/93, \$19,960.
- Crouse, S.F. (PI). Lipid and Lipoprotein Effects of Extreme Dieting and Exercise. Minigrant, Office of University Research, College of Education, Texas A&M University, College Station, TX, 1991-1992, \$700.
- Crouse, S.F. (PI). Exercise and Lipids: Acute/Chronic and Intensity Effects. American Heart Association, Texas Affiliate Grant, 1989-1991, \$57,200.

Grants and Contracts, Continued

- Crouse, S.F. (PI). The Role of Exercise and Diet in Weight Management: Effects on Resting Metabolic Rate, Body Composition and Waist-to-Hip Ratios. Minigrant, Office of University Research, Texas A&M University, 1989-1990, \$550.
- Crouse, S.F. (PI). Physiological Profiles of Intercollegiate Female Basketball Players. Enhancing Excellence in Research, College of Education, Texas A&M University, 1988-1990, \$45,665.
- Crouse, S.F. (PI). The Application of Microcomputer Technology in Programming for Wellness. Research Enhancement Funds, College of Education, Texas A&M University, 1989, \$3,900.
- Coast, J.R. (PI) & Crouse S.F. (Collaborating Investigator). Cardiac Output and Work of Breathing During Exercise. American Heart Association, Texas Affiliate Grant, 1988-1990, \$55,000.
- Lessard, C.S. (PI), Crouse, S.F. & O'Brien, B.C. (Collaborating Investigators). Design of an Adaptive Above-knee Prosthesis and Energy Expenditure Case Study. National Institute of Health, Biomedical Research Support Grant, 1988-1989, \$2,000.
- Crouse, S.F. (PI). The Influence of Calcium Channel Blockade on Physical Working Capacity and the Cardiovascular Response to Exercise. Minigrant, Office of University Research, Texas A&M University, 1987-1988, \$700.
- Crouse, S.F. (PI). The Influence of Physical Activity on Serum Levels of Apolipoproteins A1 and B. Texas A&M University College of Education FY 85 "Start Up" Funding for New Faculty, 1985-1986, \$10,000.
- Crouse, S.F. (PI). The Effect of Strength and Endurance Training on Circulating Lipoproteins. University Research Services, Texas A&M University, 1985-1986, \$650.
- Oden, G. & Crouse, S.F. (Co-PI). The Effects of Physical Fitness on Worker Productivity. The Association for Fitness in Business, 1985, \$2,000.
- Crouse, S.F. (PI). The Effect of Exercise on Lipid and Apolipoprotein Profiles. Minigrant, Office of University Research, Texas A&M University, 1985, \$500.
- Crouse, S.F. (PI). Zinc Ingestion and Lipoprotein Values in Sedentary and Endurance-Trained Men. General Clinical Research Center Program, National Institute of Health, 1982-1983, \$4,000.

FUNDED CONTRACTS AND ACTIVITIES

- Crouse, S.F. & Martin, S.E. (Co-PI). Cardiovascular Health Evaluation and data analysis for City of College Station Fire Department Personnel. 2008, \$42,490; 2009, \$33,789; 2010, \$29,248; 2011, \$40,900; 2012, \$45,570.
- Martin, S.E. & Crouse, S.F. (Co-PI). Cardiovascular Health Evaluation and data analysis for City of College Station Police Department Personnel. 2007, \$5,556; 2008, \$3,017; 2009, \$2,262.50; 2010, \$2,655; 2011, \$14,320; 2012, \$12,165.
- Martin, S.E. & Crouse, S.F. (Co-PI). Cardiovascular Health Evaluation and data analysis for City of Bryan Police Department Personnel. 2007, \$8,259; 2008, \$3,190; 2009, \$3,509; 2010, \$2,805; 2011, \$5,520; 2012, \$6,875.
- Crouse, S.F. & Martin, S.E. (Co-PI). Cardiovascular Health Evaluation and data analysis for City of Bryan Fire Department Personnel. 2007, \$25,579; 2008, \$32,395; 2009, \$32,679; 2010, \$30,320; 2011, \$32,255; 2012, \$37,175.
- Martin, S.E. & Crouse, S.F. (Co-PI). Cardiovascular Health Evaluation and data analysis for Brazos County Precinct 3 Volunteer Fire Department. 2010, \$5,880; 2011, \$3,645; 2012, \$4,155.
- Crouse, S.F. (PI). Dietary Oleic Acid and Exercise Effects on Lipid Profiles. 2006, \$7,710; 2008, 3,080; 2009, \$4,275.
- Womack, J.W. & Crouse, S.F. (Co-PI). City of College Station Police Department. Development of Performance Standards, 2007, \$3,000.

Grants and Contracts, Continued

- Womack, J.W. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluation and data analysis for City of College Station Police Department Personnel. 1998-2006, \$77,718.
- Womack, J.W. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluation and data analysis for City of Bryan Police Department Personnel. 1999-2006, \$54,188.
- Womack, J.W. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluation and data analysis for City of Bryan Fire Department Personnel. 1999-2006, \$179,724.
- Womack, J.W. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluation and data analysis for City of College Station Fire Department Personnel. 2001-2004, \$51,117.
- Jackson, N.L. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluations and data analysis for City of College Station Fire Department Personnel. 1997-1998, \$30,951.
- Crouse, S.F. & Jackson, N.L. (Co- PI). Cardiovascular Health Evaluation and data analysis for College Station Independent School District Personnel. 1997, \$1,590.
- Crouse, S.F. & Jackson, N.L.. (Co- PI). Cardiovascular Health Evaluations and data analysis for City of Bryan Police Department Personnel. 1997, \$15,725.
- Jackson, N.L. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluations and data analysis for City of College Station Police Department Personnel. 1997, \$8,215.
- Crouse, S.F. & Green, J.S. (Co- PI). Cardiovascular Health Evaluations and data analysis for City of Bryan Fire Department Personnel. 1984-1996, \$122,735.
- Green, J.S. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluations and data analysis for City of College Station Fire Department Personnel. 1993-1996, \$59,440.
- Green, J.S. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluations and data analysis for City of College Station Police Department Personnel. 1991- 1996, \$41,070.
- Crouse, S.F. & Green, J.S. (Co- PI). Cardiovascular Health Evaluations and data analysis for City of Bryan Police Department Personnel. 1984, 1988, 1990-1995, \$66,380.
- Crouse, S.F. (PI). Westinghouse Corporation, Enhancement of Education of Corporate Fitness Professionals, The Westinghouse Fellowship. 1989-1991, \$20,000.
- Crouse, S.F. (PI). Principals' Center Summer Academy Wellness Strand, Cardiovascular Health Profiles and data analysis public school administrators. 1987, 1988, and 1990, \$6,200.
- Crouse, S.F. (PI). United States Air Force Recreation Directors National Workshop, Cardiovascular Health Evaluations and data analysis. April 1987-1989, \$12,000.
- Crouse, S.F. (PI). Superintendents' Wellness Workshop, Cardiovascular Health Evaluations and data analysis for 33 public school superintendents. 1988, \$5,000.
- Crouse, S.F. (PI). Principals' Center Wellness Workshops, Cardiovascular Health Evaluations and data analysis for public school principals. January, February and March 1987, \$5,000.

PRESENTATIONS

International/National/Regional Meetings

- Crouse, S.F. Cardiovascular Responses, Energy Expenditure, and Weight Change in Normoweight and Overweight Adults: Comparisons between HydroWorx Water and Land-Based Treadmill Exercise. 2007 Aquatic Therapy Summit, The Andrew's Institute, Gulf Breeze, Florida, May 11, 2007.

Presentations, Continued

- Crouse, S.F. Exercise and Wellness Research at Texas A&M University. Impacto de la Nutricion y Bienestar en la Salud, Simposio Internacional Tecnologico de Monterrey Escuela de Medicina, Monterrey, Mexico, January 26, 2007.
- Crouse, S.F. Dietary Fat and Athletic Performance. ATKL Symposium, University of Vienna, Vienna, Austria, December 7, 2002.
- Crouse, S.F. Grandjean, P.W., Davis, P.G., Durstine, L. The Influence of Exercise on Lipoproteins and Lipid Transport. Symposia. Southeast American College of Sports Medicine Annual Meeting, Columbia, SC, January 25, 2001.
- Crouse, S.F. Training Volume, Intensity, and Therapy to Improve Lipid and Lipoprotein Metabolism. ATKL Symposium, University of Vienna, Vienna, Austria, December 2, 2000.
- Crouse, S.F. Risk Factors: What's New in the Literature. Invited Presentation. Region VI Association for Worksite Health Promotion Annual Conference, Houston, TX, April 17, 1998.
- Crouse, S.F. Research Update: Exercise Prescription - Lifetime Fitness for Health. Invited Presentation. Association for Worksite Health Promotion 19th Annual International Conference, New Orleans, LA, September 30, 1993.
- Crouse, S.F. Research Update: Cholesterol. Invited Presentation. Region VI Association for Fitness in Business Annual Meeting, New Braunfels, TX, March 1989.

State Meetings

- Crouse, S.F. Exercise and Cardiovascular Disease Prevention. Invited Presentation. Preventive Cardiology Forum V, The University of Texas-Houston Medical School, Houston, TX, February 25, 1995.
- Crouse, S.F. Exercise in the Prevention of Disease. Invited Presentation. 21st Annual Texas Human Nutrition Conference, Texas A&M University, College Station, TX, February 18, 1994.
- Crouse, S.F. Academic Preparation of Exercise Professionals for Corporate Fitness/Wellness Programs. Invited Presentation. Texas Alliance of Health, Physical Education, Recreation, and Dance Annual Convention, Dallas, TX, November 1989.
- Crouse, S.F. How to Incorporate Wellness into Your Personal Growth Plan. Invited Presentation. Administrative Leadership Institute, Texas A&M University, College Station, TX, November 17, 1988.
- Crouse, S.F. Exercise and Health Promotion - The Role of Allied Health Professionals. Invited Presentation. Health Promotion/Disease Prevention Project, Baylor College of Medicine, Houston, TX, May 1986.
- Crouse, S.F. Evaluating Your Physical Condition and Health Risk. Invited Presentation. TEEEX Annual Staff Conference, Texas Engineering Extension Service, Texas A&M University, College Station, TX, September 1986.
- Crouse, S.F. The Effect of Acute Beta-Adrenergic Blockade on Muscular Power and Endurance. Research Presentation. Texas Alliance of Health, Physical Education, Recreation, and Dance Annual Convention, Houston, TX, December 1986.
- Crouse, S.F. Issues in Professional Preparation for Corporate Health Promotion. Invited Presentation. Texas Alliance of Health, Physical Education, Recreation, and Dance Annual Convention, Dallas, TX, December 1985.
- Crouse, S.F. Basic Stuff - Exercise Physiology. Invited Presentation. New Mexico American Alliance for Health, Physical Education Recreation and Dance, Roswell, New Mexico, October 1981.

Other Presentations

- Crouse, S.F. Invited Presentation. Huffines Institute Research Agenda: An Update. Houston Reveille Club, Houston, TX. March 29, 2007.
- Crouse, S.F. Invited Presentation. Exercise Testing for Cardiovascular Risk Profiling. Joint Admissions Medical Program, Texas A&M University College of Medicine, College Station, TX, June 2003, 2004, 2005.

Presentations, Continued

- Crouse, S.F. Invited Presentation. The Role of Exercise in Modifying Blood Lipids in Hypercholesterolemia. Department of Exercise Science, University of South Carolina, January 24, 2001.
- Crouse, S.F. Invited Presentation. The Role of Exercise in Modifying Blood Lipids in Hypercholesterolemia. Department of Health & Human Performance, Auburn University, Auburn, Alabama, January 23, 2001.
- Crouse, S.F. Cardiac Rehabilitation. St. Joseph Hospital, Bryan, TX, February 15, 2000.
- Crouse, S.F. Electrocardiography and Graded Exercise Testing: Administration and Interpretation According to ACSM Guidelines. Texas Chapter of the American College of Sports Medicine Annual Meeting Workshop, Texas Lutheran University, Seguin, TX, February 7, 1997.
- Crouse, S.F. Cardiovascular Risk Factors; Individual Risk Assessment. College Station Police Department, College Station, TX, January 1992.
- Crouse, S.F. Measurement and Evaluation of Human Performance: Applications for Physical Fitness and Sports Medicine. Texas Alliance for Science. Technology & Mathematics Education Symposium: Science Technology & Youth, Texas A&M University, College Station, TX, March 7, 1992.
- Crouse, S.F. Benefits of Exercise. Bryan Police Department, Bryan, TX, September 16, 23 and October 14, 1992.
- Crouse, S.F. How Exercise Affects Your Cholesterol. Samuel Houston Elementary Jump Rope for Heart Demonstration Team. Huntsville, TX, February 15, 1991.
- Crouse, S.F. Certification of Exercise Professionals. Region VI Association for Fitness in Business Student Workshop, Westinghouse Fitness Center, College Station, TX, November 2, 1991.
- Crouse, S.F. Wellness in the Workplace. TAMUS Council of Business Officers Meeting, College Station, TX, February 15, 1990.
- Crouse, S.F. Basic Exercise Physiology and Cardiovascular Risk Factors. Region VI Association for Fitness in Business Health and Fitness Screening and Testing Skills Workshop, Dallas, TX, October 20, 1989.
- Crouse, S.F. Exercise Evaluation and Prescription: Heart Disease Risk Assessment and Reduction. United States Air Force Recreation Directors National Workshop, Texas A&M University, College Station, TX, April 1987, 1988, and 1989.
- Crouse, S.F. Exercise Science Professionals-Lecture and Lab Demonstration. Science/Technology Symposium, Texas Alliance for Science Technology & Mathematics Education, Texas A&M University, College Station, TX, March 4, 1989.
- Crouse, S.F. The Graded Exercise Test: Procedures and Application. Executive Development Program Workshop, Texas Agricultural Extension Service, Extension Recreation and Parks, Texas A&M University, College Station, TX, January 1985, January 1986, January 1987, January 1988.
- Crouse, S.F. Cardiovascular Risk Factors: How to Evaluate Them. Superintendents' Wellness Workshop, Texas A&M University, College Station, TX, April 1988.
- Crouse, S.F. The Fitness Evaluation: What Does It All Mean? The Principals' Center Wellness Workshops, Texas A&M University, College Station, TX, January, February, March, July 1987 and July 1988.
- Crouse, S.F. Walk Away From Stress: Steps to Better Health. Andrews Independent School District, Andrews, TX, August 1987.
- Crouse, S.F. Heart Disease Risk and Effects of Exercise. West Orange Cove Consolidated School District, Orange, TX, September 1987.
- Crouse, S.F. Risk Factor Identification. Lecturer and Examiner for the American College of Sports Medicine Exercise Leader/Aerobics Workshop and Certification, Houston, TX, November 1987.

Presentations, Continued

Crouse, S.F. Triathlon Training. Texas Instruments, Dallas, TX, February 1986.

Crouse, S.F. Training for the Triathlon. The Texas Club, Dallas, TX, April 1986.

Crouse, S.F. The Evaluation of Cardiovascular Risk: State of the Art. United States Air Force Recreational Directors Workshop, Texas A&M University, College Station, TX, September 1986.

Crouse, S.F. The Fitness Evaluation-Methods and Procedures. Sports Management Workshop, Texas Agricultural Extension Service, Texas A&M University, College Station, TX, October 1986.

Crouse, S.F. Graded Exercise Testing: Interfacing with a Wellness Program. United States Air Force Recreational Directors Workshop, Texas A&M University, College Station, TX, August 1985.

Crouse, S.F. Practical Considerations for Graded Exercise Testing in the Cardiac Patient. LaCrosse Exercise Program Cardiac Rehabilitation Workshop, The University of Wisconsin at LaCrosse, LaCrosse, Wisconsin, September 1983 and February 1984.

OTHER SERVICE

Crouse, S.F. Co-Chair Leadership Team, Christian Faculty Network at Texas A&M University, 2001–2008.

Crouse, S.F. Leadership Team Member, Christian Faculty Network at Texas A&M University, 2008-present.

Crouse, S.F. Faculty Advisor, Aggie Association for Worksite Health Promotion, 1989-1996.

Crouse, S.F. American College of Sports Medicine Certification Director, Health Fitness Instructor Certification and Workshop, Dallas, TX, July 1990 - 1994.

Crouse, S.F. Lecturer and Examiner, Risk Factor Identification Section, American College of Sports Medicine Exercise Leader/Aerobics Workshop and Certification, Houston, TX, November 1987.

CONSULTING ACTIVITIES

Texas A&M University Department of Athletics, 1997-present. Serve as Consultant for Strength and Conditioning Performance Research.

Ramey, Chandler, McKinley & Zito, P.C., Attorneys at Law, 5847 San Felipe, Suite 3980, Houston, TX;
March 24 – October 9, 2003.

Title: Product Liability case, Personal injury using Ab Shaper equipment

Reynolds Metals Company, PO Box 9911, Corpus Christi, TX, 78469; April 1, 1999 - August 31, 2001

Contact: Arlon Boatman, Manager, Health, Safety & Industrial Hygiene

Title: Validation Study for Endurance Component of Pre-employment Ergonomics Test.

Texas Department of Criminal Justice, PO Box 99, Huntsville, TX, 77342; June 1 - December 31, 1992.

Contact: James E. Bush, Director of Personnel

Title: Evaluation of Job-Related Physical Fitness Requirements for Correctional Officers

Texas Eastman Company, P.O. Box 7444, Longview, Texas, 75607; August 1 - October 31, 1990.

Contact: L.C. Stetzner, M.D., Medical Director or William R. Hansen, Operations and Training.

Title: Feasibility of Company-Wide Health Promotion Program