

ACADEMIC VITAE

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Date

January 10, 2019

EXPERIENCE

1998 - Present **Professor**, Health and Kinesiology, Texas A&M University, College Station, Texas
2005 - Present **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 Sports Performance Research**, Department of 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

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

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.

PROFESSIONAL MEMBERSHIPS AND RESPONSIBILITIES

American College of Sports Medicine, Fellow, 1990 - present
Texas Chapter American College of Sports Medicine, Education Director, 1989 – 1991, 2016-present
American Heart Association, Board of Directors, Brazos County Division, 1990 – 1992
American Heart Association Member, 1990-2014
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

COMMITTEE MEMBERSHIPS

Texas A&M University

Christian Faculty Network at Texas A&M University, Leadership Team Member or Chair, 2000-present
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
Health and Kinesiology Committee on Applied Exercise Physiology, Chair or Member, 1984 - Present
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. Taught: "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. Taught "Exercise Electrocardiography and Stress Testing"
SBTM 612	Experimental Techniques in Molecular, Cell, and Systems Biology II, College of Medicine. Taught: "Diagnostic Graded Exercise Testing in Clinical Practice"

GRADUATE ADVISING

Master of Science Theses

Deborah Schiller	<i>The Effects of Three Different Frequencies of Low Intensity Walking on Exercise Adherence in a Sedentary Female Workforce (Committee Chair)</i>
Roger Bounds	<i>The Influence of Diet on the Lipid Response to Acute Exercise (Committee Chair)</i>
Mandy Clark	<i>Diet Composition and Performance of Female Collegiate Soccer Players (Committee Chair)</i>
Glenda Crawford	<i>Effect of Carbohydrate and Carbohydrate-Protein Supplementation on Power Performance in Collegiate Football Players Performing a Simulated Game Task (Committee Chair)</i>
Lawrence Mulligan	<i>The Effect of a Glucose Polymer Solution and a Prolonged Cycling Bout on Oxygen Uptake Kinetics (Committee Co-Chair)</i>
Lui Cheng	<i>Improvement of Signal-To-Noise Ration in Uterine EMB Recordings (Member)</i>
Adrian Kamath	<i>Serum Phospholipid Response to Aerobic Exercise Training in Pre- and Postmenopausal Women (Member)</i>
Zhijun Sa	<i>Human Smooth Pursuit Tracking Eye Movement Analysis in The Frequency Domain (Member)</i>
Jacqueline Perticone	<i>The Beta-Trcp/Deptor Axis is Associated with Anabolic Dysregulation in Diabetic Skeletal Muscle (Member)</i>

Master of Science Non-Theses

More than 250 non-theses Master of Science committees chaired

Dissertations and Record of Study

Nico Pronk	<i>The Effects of Menopausal Status and Exercise Intensity on Short-Term Changes in Plasma Lipids and Lipoproteins (Committee Chair)</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 (Committee Chair)</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 (Committee Chair)</i>
Shelly Weise	<i>The Short-Term Influence of a Single Session of Aerobic Exercise on Plasma Lipids and Lipoproteins in Postmenopausal Women with High or Normal Cholesterol Levels (Committee Chair)</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 (Committee Chair)</i>

- Nicholas Greene *PPARS: Potential Mechanisms Regulating Blood Lipid And Lipoprotein Concentrations at Rest and Following Exercise In the Obese (Committee Chair)*
- Jonathan Oliver *Intra-Set Rest Intervals in Hypertrophic Training: Effects on Hypertrophy, Strength, Power, and Myosin Heavy Chain Composition (Committee Co-Chair)*
- Bradley Lambert *Concurrent Exercise and the Potential Role of Aquatic Treadmill Running for Promoting Rather than Impeding Skeletal Muscle Growth and Strength (Committee Chair)*
- Justin Dobson *Effects of Docosahexaenoic Acid Supplementation on Lipids, Lipoproteins and Inflammatory Markers Following Heavy Physical Training in Division I Football Athletes (Committee Chair)*
- Dustin Joubert *Acute Vascular Effects of Aquatic and Land Treadmill Exercise in Pre-Hypertensive Men (Committee Chair)*
- Nicholas Barringer *Fatty Acid Blood Levels, Vitamin D Status, and Physical Performance and Its Relationship to Resiliency and Mood in Active Duty Soldiers (Committee Co-Chair)*
- Kyle Levers *Effects of Short-Term Montmorency Powdered Tart Cherry Supplementation on Muscle Damage, Soreness Perception, Inflammation, Oxidative Stress, and Performance Surrounding Acute Bouts of Intense Endurance and Strength Exercise (Member)*
- Steve Bui *The Effects of Caffeine Intake on Muscle Protein Synthesis and the Change in Lean Mass Following Resistance Exercise (Member)*
- Daniel Trott *Regulation of Endothelial Phenotype in Rat Soleus Musclefeed Arteries: Influence of Aging and Exercise Training (Member)*
- Timothy Henrich *Influence of Reactive Hyperemia in Muscle During Exercise (Member)*
- Gary Oden *The Effects of an Employee Fitness Program on Worker Productivity, Absenteeism and Health Care Cost (Member)*
- Chin-Lung Fang *Comparison of Selected Coronary Heart Disease Invoices in Runners, Weightlifters and Controls (Member)*
- Joseph O’Kroy *Airflow Limitation and Regulation of End Expiratory Lung Volume During Exercise (Member)*
- Dennis Jacobsen *The Effect of Exercise Intensity on VO₂ Drift in Persons of Different Fitness Levels (Member)*
- Matthew Wagner *The Effects of Isotonic Resistance Exercise on Aggression Variables in Adult Male Inmates in The Texas Department of Crminal Justice (Member)*
- Mine-Yine Liu *Charge Density Profiling of Human LDL Particles by Capillary Zone Electrophoresis (Member)*
- Pavel Bondarenko *Profiling Human Serum Apolipoproteins by Mass Spectrometry (Member)*
- Steven Cockrill *Lipoprotein Density Profiling - Assessment of Cardiovascular Risk (Member)*
- Claire Canon-Baetge *Comparison of the Efficacy of Popular Weight Loss Programs in Sedentary Overweight Women (Member)*
- Xiuzhi Wo *Effect of Beef Consumption on HDL Density Distribution and Functionality in Healthy Individuals (Member)*

- Chang Woock Lee *The Effects of Dietary Choline on Muscle Responses to Resistance Exercise in Older Adults (Member)*
- Erin E. Simmons *Integration of Total Daily Protein Intake and Timing of Protein Supplementation on Muscle Anabolism During High Intensity Exercise Training in Fit Young Males (Member)*

PUBLICATIONS

Books and Video Products

- Crouse, S.F. & Coast, J.R. (2017). Clinical Exercise Physiology Laboratory Manual: Physiology Assessments in Health, Disease and Sport Performance. (3rd 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

- Grandjean, P.L., Crouse, S.F., Durstine, J.L., Davis, P.G., Gordon, B. (2018) Hyperlipidemia and Dyslipidemia, Chapter 10. In: Ehrman, J.K., Gordon, P.M., Visich, P.S., & Keteyian, S.J. (Eds), Clinical Exercise Physiology, 4th Edition, Human Kinetics:Champaign, Illinois, (ISBN-13: 9781492546450).
- Crouse, S.F. & Dolny, D. (2013). Research evidence for the benefits of aquatic exercise. In: Wilk, K.E. & Joyner, D.M. (Eds), The Use of Aquatics in Orthopedic and Sports Medicine Rehabilitation and Physical Conditioning, New Jersey: Slack Inc.
- 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.
- 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.) 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, College Station: Texas A&M University.

Refereed Journal Articles Published

- Simmons, E.E, Georghiades, N.C., Goodenough, C.G., Naruse, M., Fluckey, J.D., Crouse, S.F., Smith, S.B., Riechman, S.E (2019). Muscle anabolism is not improved by high daily protein or post exercise timing in fit young males performing simulated elite athlete training. In Preparation

- Crouse, S.F., Tolson, H., Lytle, J., Johnson, K.A., Martin, S.E., Green, J.S., Oliver, J., Carbuhn, A., Lambert, B., & Bramhall, J.P. (2019). Predicting VO_{2max} in football athletes. Journal of Strength and Conditioning Research, In Press.
- Lytle, J.R., Kravits, D.M., Martin, S.M., Green, J.S., Crouse, S.F., & Lambert, B.S. (2019). Predicting energy expenditure of an acute resistance exercise bout in men and women. Medicine and Science in Sports and Exercise, In Press.
- Joubert, D.P., Granados, J.Z., Oliver, J.M., Noack, B.L., Grandjean, P.W., Woodman, C.R., Riechman, S.E., & Crouse, S.F. (2018). An acute bout of aquatic treadmill exercise induces greater improvements in endothelial function and post-exercise hypotension than land treadmill exercise: A crossover design. American Journal of Physical Medicine and Rehabilitation, *97*(8), 578-584.
- Crouse, S.F., Green, J.S., Meade, T.H., Smith, D.R., & Smith, S.B. (2016) Exercise raises HDL-C in men after consumption of ground beef with a high but not low MUFA:SFA ratio. Nutrition Research, *36*, 974-981.
- Crouse, S.F., White, S., Erwin, J.P., Meade, T.H., Martin, S.E., Oliver, J.M., Joubert, D.P., Lambert, B.S., Bramhall, J.P. Gill, K., & Weir, D. (2016). Echocardiographic and blood pressure characteristics of first year collegiate American style football players. American Journal of Cardiology, *117*, 131-134.
- Barringer, N., Kotwal, R., Lewis, M., Funderburk, L., Elliott, T., Crouse, S., Smith, S., Greenwood, M., Kreider, R. (2016). Fatty acid blood levels, vitamin D status, physical performance, activity, and resiliency: A novel potential screening tool for depressed mood in active duty soldiers. Military Medicine, *181*, 1114-1120.
- Levers, K., Dalton, R., Elfego, G., O'Conner, A., Goodenough, C., Simbo, S., Mertens-Telcote, S.U., Rasmussen, C., Greenwood, M., Riechman, S., Crouse, S.F., & Kreider, R.B. (2016). Effects of powdered Montmorency tart cherry supplementation on acute endurance exercise performance in aerobically trained individuals. Journal of International Society of Sports Nutrition, *13*:22 DOI 10.1186/s12970-016-0133-z.
- Lee, D.L., Brown, J.L., Rosa, M.E., Brown, L.A., Perry, R.A., Wiggs, M.P., Nilsson, M.I., Crouse, S.F., Fluckey, J.D., Washington, T. A. & Greene, N.P. (2016). MicroRNA-16 is downregulated during insulin resistance and controls skeletal muscle protein accretion, Journal of Cellular Biochemistry, *117*(8), 1775-1787. PMID: 26683117.
- Levers, K., Dalton, R., Elfego, G., Goodenough, C., O'Conner, A., Simbo, S., Barringer, N., Mertens-Telcote, S.U., Rasmussen, C., Greenwood, M., Riechman, S., Crouse, S.F., & Kreider, R.B. (2015). Effects of powdered Montmorency tart cherry supplementation on an acute bout of intense lower body strength exercise in resistance trained males. Journal of International Society of Sports Nutrition, *12*:41 DOI 10.1186/s12970-015-0102-y.
- Fluckey, J.D., Lambert, B.S., Greene, N.P., Shimkus, K.L., Cardin, J.M., Riechman, S.E., & Crouse, S.F. (2015). Reply to letter to the editor: to D_2O or not to D_2O ? What are the reasons we D_2O it at all? American Journal of Physiology – Endocrinology and Metabolism, *308*, E928-E931.
- Oliver, J.M., Joubert, D.P., Caldwell, A., Martin, S.E., & Crouse, S.F. (2015). A longitudinal study examining the effects of a season of American football on lipids and lipoproteins. Lipids in Health and Disease, *14*, 35.
- Lambert, B.S., Shimkus, K., Fluckey, J.D., Riechman, S.E., Greene, N.P., & Crouse, S.F. (2015). Anabolic responses to acute and chronic resistance exercise are enhanced when combined with aquatic treadmill exercise. American Journal of Physiology – Endocrinology and Metabolism, *308*, E192-E200.
- Greene, N.P., Nilsson, M.I., Washington, T.A., Lee, D.E., Brown, L.A., Papineau, A.M., Shimkus, K.L., Greene, E.S., Crouse, S.F., & Fluckey, J.D. (2014). Impaired exercise-induced mitochondrial biogenesis in the obese Zucker rat, despite pgc-1 α induction, is due to compromised mitochondrial translation elongation. American Journal of Physiology – Endocrinology and Metabolism, *306*, E503-E511.
- Lambert, B.S., Greene, N.P., Carradine, A.T., Joubert, D.P., Fluckey, J.D., Riechman, S.E., & Crouse, S.F. (2014). Aquatic treadmill training reduces blood pressure reactivity to physical stress. Medicine and Science in Sports and Exercise, *46*, 809-816.
- 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, *27*, 3116-3131.

- Gilmore, L.A., Crouse, S.F., Carbuhn, A., Klooster, J., Calles, A.E., Meade, T., & Smith, S.B. (2013). Exercise attenuates the increase in plasma monounsaturated fatty acids and high-density lipoprotein cholesterol, but not high-density lipoprotein 2b cholesterol caused by high-oleic ground beef in women. Nutrition Research, 33,1003-1011.
- Oliver, J.M., Joubert, D.P., Martin, S.E., & Crouse, S.F. (2013). Oral creatine supplementation's decrease of blood lactate during exhaustive, incremental cycling. International Journal of Sport Nutrition and Exercise Metabolism, 23, 252-258.
- 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.
- 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.F. (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, 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.

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- 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)
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RESEARCH GRANTS

Funded Grants

- Zahabi, M., (PI) Zhang, X., Crouse, S.F. Modeling Emergency Responder Interactions with In-Vehicle Technologies. T3: Texas A&M Triads for Transformation. Project ID 1204, Awarded 12/18. \$30,000.
- Smith, S.B., Walzem, R.L., Crouse, S.F. Impact of beef's unique food matrix on human health – Cholesterol metabolism and voluntary nutrient intake in men consuming low-fat and high-fat ground beef. National Cattleman's Beef Association, 9/1/2018-8/31/2019, \$25,166.
- Crouse, S.F. (PI). Validation Study of Elliptical Machine as an Alternative to the Defense Logistics Agency Police's 1.5 Mile Run. Defense Logistics Agency, Subaward St. Mary's University, San Antonio, Texas. 11/1/14-2/27/15, \$43,774.
- Crouse, S.F. (PI) & Martin, S.E. (Co-I). Measurement of Physical Fitness and Health of Industrial Firefighters. British Petroleum – Dr. P. Mark Glencross. 10/1/2014-12/31/2014, \$10,000.
- 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.
- 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 (NSBRI), 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.
- 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. 2014-2015, \$40,447; 2008, \$42,490; 2009, \$33,789 2010, \$29,248; 2011, \$40,900; 2012, \$45,570; 2013, \$45, 570.
- Martin, S.E. & Crouse, S.F. (Co-PI). Cardiovascular Health Evaluation and data analysis for City of College Station Police Department Personnel. 2014-2015, \$27,716; 2007, \$5,556; 2008, \$3,017; 2009, \$2,262.50; 2010, \$2,655; 2011, \$14,320; 2012, \$12,165; 2013, \$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; 2013, \$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; 2013, \$15,290.
- Martin, S.E. & Crouse, S.F. (Co- PI). Cardiovascular Health Evaluation and data analysis for Brazos County Precinct 3 Volunteer Fire Department. 2014-2015, \$6,317; 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.
- 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.

INVITED PRESENTATIONS

International, National, Regional, University

Crouse, S. F. Unique Benefits of Aquatic Treadmill Exercise. Baylor University International Research Symposium. Baylor University, Waco, Texas, October 12-13, 2016.

Crouse, S.F. Research Serendipity: Novel Health Benefits of Aquatic Exercise – Blood Pressure, Skeletal Muscle, and Protein Synthesis. V International Congress in Physical Activity, Health, and Quality of Life. National University of Costa Rica, San Jose, Costa Rica, October 1-3, 2014.

Crouse, S.F. Research Serendipity: Novel Health Benefits of Aquatic Exercise – Cardiovascular Fitness and CVD Risk. V International Congress in Physical Activity, Health, and Quality of Life. National University of Costa Rica, San Jose, Costa Rica, October 1-3, 2014.

Crouse, S.F. HydroWorx Training: Cardiovascular Responses, Energy Expenditure, and Body Composition in Normoweight and Overweight Adults. HydroWorx Aquatic Therapy Summit. Pensacola Florida, May 8, 2010 and Hershey, PA, May 6, 2011.

Crouse, S.F., Greene, N.P., & Lambert, B.S. Aquatic Treadmill Exercise: Physiologic Costs and Training Benefits for Overweight and Obese Men and Women. Southeast Regional Meeting of the American College of sports Medicine, Greenville, South Carolina, February 11, 2010.

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.

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. HydroWorx Research Progress Update. National Athletic Trainers Association Annual Meeting, Atlanta, Georgia, June 15, 2006.

Crouse, S.F. Dietary Fat and Athletic Performance. ATKL Symposium, University of Vienna, Vienna, Austria, December 7, 2002.

Crouse, S.F. Exercise Testing for Cardiovascular Risk Profiling. Joint Admissions Medical Program, Texas A&M University College of Medicine, College Station, TX, June 2003, 2004, 2005.

Crouse, S.F. The Role of Exercise in Modifying Blood Lipids in Hypercholesterolemia. Department of Exercise Science, University of South Carolina, January 24, 2001.

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. The Role of Exercise in Modifying Blood Lipids in Hypercholesterolemic Men. Auburn University, Auburn, Alabama, January 23, 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. Region VI Association for Worksite Health Promotion Annual Conference, Houston, TX, April 17, 1998.

- 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. Research Update: Exercise Prescription - Lifetime Fitness for Health. Association for Worksite Health Promotion 19th Annual International Conference, New Orleans, LA, September 30, 1993.
- Crouse, S.F. Research Update: Cholesterol. Region VI Association for Fitness in Business Annual Meeting, New Braunfels, TX, March 1989.
- 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. 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. Graded Exercise Testing: Interfacing with a Wellness Program. United States Air Force Recreational Directors Workshop, Texas A&M University, College Station, TX, August 1985.

State Meetings

- Crouse, S.F. Exercise and Cardiovascular Disease Prevention. 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. 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. 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. 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. Health Promotion/Disease Prevention Project, Baylor College of Medicine, Houston, TX, May 1986.
- Crouse, S.F. Evaluating Your Physical Condition and Health Risk. 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. 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. Texas Alliance of Health, Physical Education, Recreation, and Dance Annual Convention, Dallas, TX, December 1985.
- Crouse, S.F. Basic Stuff - Exercise Physiology. New Mexico American Alliance for Health, Physical Education Recreation and Dance, Roswell, New Mexico, October 1981.

Other Professional Presentations

- Crouse, S.F. Sudden Cardiac Death in Athletes. Huffines Institute for Sports Medicine and Human Performance, Podcast, Texas A&M University, January 11, 2012.
- Crouse, S.F. HydroWorx: Texas A&M Research Update. HydroWorx International, Inc. Corporate Leadership Meeting, Las Vegas, NV, February 10, 2009.

- Crouse, S.F. Huffines Institute Research Agenda: An Update. Houston Reveille Club, Houston, TX. March 29, 2007.
- Crouse, S.F. Cardiac Rehabilitation. St. Joseph Hospital, Bryan, TX, February 15, 2000.
- 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. 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.
- 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 Fitness Evaluation-Methods and Procedures. Sports Management Workshop, Texas Agricultural Extension Service, Texas A&M University, College Station, TX, October 1986.
- 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 Sport 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