The University of Texas at Arlington
The Department of Exercise, Sport, and Health Studies
presents
21st Semi-Annual Lecture
of the
Texas American College of Sports Medicine
With
Suzanne M. Fortney
NASA – Johnson Space Center

LECTURE:
“Exercise Countermeasures for Long Duration Space Flights”

Wednesday, March 5, 1997 – 12:00 Noon
Activities Building                    Lone Star Auditorium

PREVIOUS UTA ACSM LECTURERS

Spring, 1987  Russell R. Pate, Ph.D., University of South Carolina
“Physiologic Determinants of Endurance Performance”

Fall, 1987  Eddie E. Coyle, Ph.D., The University of Texas at Austin,
“Adaptations to Endurance Training Maintained During Periods of Physical Inactivity”

Spring, 1988  Brian J. Whipp, Ph.D., Harbor-UCLA Medical Center
“Coupling of Ventilation to Metabolism During Exercise”

Fall, 1988  George A. Ordway, Ph.D., The University of Texas Southwestern Medical School,
“Adaptation of the Peripheral Vasculature as a Function of Exercise Training”

Spring, 1989  Charlotte A. Tate, Ph.D., Baylor College of Medicine
“Adaptation of the Heart to Exercise During Old Age”

Fall, 1989  Robert B. Armstrong, Ph.D., University of Georgia
“Mechanisms Underlying Exercise-Induced Muscle injury”

Spring, 1990  William J. Gonyea, Ph.D., The University of Texas Southwestern Medical School
“Skeletal Muscle Adaptation to Heavy Resistance Training”

Fall, 1990  Victor A. Convertino, Ph.D., NASA, Kennedy Space Center
“Considerations for Use of Exercise as Countermeasures for Space Adaptation”

Spring, 1991  Steven N. Blair, P.E.D., Institute for Aerobics Research
“Physical Activity, Physical Fitness, and the Public’s Health”

Fall, 1991  Benjamin D. Levine, M.D., The University of Texas Southwestern Medical Center
“Human Performance Physiology: At the Top of the World and Above”

Spring, 1992  John L. Ivy, Ph.D., The University of Texas
“Enhancement of Muscle Glycogen Resynthesis Post Exercise”

Fall, 1992  Charles J. Dillman, Ph.D., Steadman Sports Medicine Institute
“Overview of New U.S. Olympic Program”

Spring, 1993  Jere H. Mitchell, M.D., The University of Texas Southwestern Medical Center
“Athlete’s Heart”

Fall, 1993  Charles M. Tipton, Ph.D., University of Arizona
“The Role of Exercise Training in the Management of Hypertension”

Spring, 1994  James A. Pivarnik, Ph.D., Baylor College of Medicine, Houston
“Exercise Pregnancy: Current Findings vs. Historical Guidelines”

Fall, 1994  James A. Pawelczyk, Ph.D., Presbyterian Hospital of Dallas, Institute for Exercise and Environmental Medicine,
“Neural Control of Circulation During Exercise”

Spring, 1995  F. Marty Ivey, M.D., The University of Texas Medical Branch at Galveston,
“Diagnosis and Treatment of Acute Knee Ligament Injuries”

Fall, 1995  Eric Poehlman, Ph.D., University of Maryland at Baltimore,
“Metabolic Control and Aging”

Spring, 1996  James Stray-Gundersen, M.D., The University of Texas Southwestern Medical Center,
“Living High, Training Low: A Method to Improve Sea Level Performance”

Fall, 1996  Rod K. Dishman, Ph.D., University of Georgia, “Fighting Sloth: Factors Related to Adherence to Exercise and Wellness Programs”
Dr. Suzanne Fortney

Dr. Suzanne M. Fortney has been a Research Physiologist at the NASA Johnson Space Center in Houston, Texas since 1988. She is also the Project Scientist for the Human Research Facility on the Space Station, Director of Space Physiology Course and Curriculum Committee for the NASA/UTMB Space Physiology Residency Program and an Associate Adjunct Professor at The University of Texas Medical Branch. Previously, Dr. Fortney was an associate professor in the Department of Environmental Physiology at Johns Hopkins University.

Dr. Fortney received her Ph.D. in Physiology from St. Louis University, and a Bachelor of Arts in Biology from the University of Missouri at St. Louis. Additionally, she has post-doctoral experience in Environmental Physiology at the John B. Pierce Foundation of Yale University.

Dr. Fortney has published over 40 refereed journal articles in the Journal of Applied Physiology, Journal of Clinical Pharmacology, Aviation, Space and Environmental Medicine, American Journal of Physiology, Sports Medicine, Stroke, and Clinical Science. She also has seven book chapters pertaining to exercise and space physiology. Her research interests include microgravity/spaceflight, exercise, thermoregulation, body fluids/electrolytes, cardiovascular endocrine, musculoskeletal, reproduction, aging and orthostatic intolerance.

Dr. Fortney is President-elect of the Texas Chapter of the American College of Sports Medicine. She has served on the TACSM Board of Directors since 1995. Additionally, she is a member of the national ACSM as well as the American Physiological Society.

There will be a brief question and answer period at the end of the presentation. Please give Dr. Fortney your attention until the end of the question and answer session.

Thank you!