

Dr. Nikos J. Mourtos is a professor and the Chair of the Aerospace Engineering Department at San Jose State University (SJSU). He received his BSME degree from the University of Patras in Greece (1980) and his M.S. (1982), Engineer (1983), and Ph.D. (1987) in Aeronautical & Astronautical Engineering from Stanford University. He has developed and taught more than twenty courses in a variety of aerospace, mechanical, and general engineering subjects such as statics, dynamics, fluid mechanics, thermodynamics, heat transfer, aerodynamics, gas dynamics, propulsion, and aircraft design. His research interests encompass aerodynamics, aircraft design, and any aspect of teaching and learning in engineering education. Dr. Mourtos served as the Faculty Instructional Development Coordinator for the College of Engineering (1996-2002), a Faculty-in-Residence for Innovative Pedagogy (1998-2002) and the Assistant Director for the Center for Faculty Development and Support at SJSU (2006-2008). He has published extensively on engineering education topics such as active, cooperative, and problem-based learning, teaching and learning styles, teaching and assessing process skills (lifelong learning, self-assessment, problem solving, design, etc.), and program assessment. He has offered more than 100 faculty workshops in the U.S. and around the world on topics such as active and cooperative learning, teaching and learning styles, conditions of learning, course design and assessment. He is a trained ABET Program Evaluator and serves as a consultant to engineering programs in the U.S. and abroad. He served as the Program Assessment Coordinator for the aerospace and Mechanical Engineering programs (2002-2006) culminating in a successful ABET visit in 2005 and for the Aerospace Engineering Program (2006 – present) culminating in a successful ABET visit in 2011. His responsibilities include the design and implementation of a process for assessing the effectiveness of these programs according to ABET 2000 EC requirements. He also serves as an external evaluator for NSF grants. Last but not least, Dr. Mourtos is a faculty member in the Ed.D. Leadership Program at SJSU currently supervising a doctorate thesis.