

Gregg A. Buckingham, Ed.D.
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Education

Doctor of Education, Curriculum and Instruction, University of Central Florida, 2002
Dissertation: “An Evaluation of Face-to-Face Mentoring vs. Electronic Mentoring”,
concentrating on the effect (interest, performance, retention) of NASA scientists mentoring
students face-to-face in the classroom vs electronically through the Internet

Master of Arts, Political Science with a Certificate in Public Administration, University of
Florida, 1984

Master of Arts: Graduate History coursework, 18 hours, George Mason University and
University of Central Florida

Bachelor of Science, Business Administration (Economics), University of Florida, 1979

Instructional Experience

Lecturer, University of Central Florida, 2016 –
Teach numerous classes in the School of Public Administration to both graduate and
undergraduate students. Courses include, Introduction to Public Administration, Survey
Research in Public Administration, Strategic Planning and Public Policy. Utilize course
objectives, organized and planned subject matter content, developed student assessment plan,
lectured weekly, facilitated student-led teams, provided one-on-one student counseling. Canvas
Course Management System utilized in face-to-face, mixed-mode or online classes.

Adjunct Instructor, University of Central Florida, 2003 – 2004; 2014 - 2016
Taught “Research Methods” to graduate students multiple semesters in both UCF College of
Education and School of Public Administration. Utilized course objectives, organized and
planned subject matter content, developed student assessment plan, lectured weekly, facilitated
student-led teams, provided one-on-one student counseling. Proficient in Canvas Course
Management System. Excellent student evaluation feedback.

Associate Adjunct Faculty, Valencia College, 2013 – 2016
Taught multiple “American Government” classes to undergraduate students every semester since
2013. Many of these courses were hybrid courses – part face-to-face, part online. Utilized course
objectives, organized and planned varied subject matter content, developed student assessment
plan, lectured weekly, facilitated student-led teams, provided one-on-one student counseling.
Utilized community leaders in class for student/professional discussions. Earned Associate
Faculty, 2014; nominated for Faculty Association Award for Excellence in Teaching,
Counseling, and Librarianship, 2015. Excellent student evaluations.

Training Team member, Kennedy Space Center (KSC), 1995 – 1998

Selected for special training team to provide training to all NASA Kennedy Space Center civil service employees (~2000) for two different courses: Kennedy Multi-Cultural Leadership Program (KMLP), and Covey Seven Habits Program. KMLP was a two-day immersive course in accepting and leveraging diversity on the workplace. Organized and planned subject matter content, presented material, lead group discussions, handled difficult situations, and collected evaluation data. Training process was a weekly two-day class over two years, training over 2,000 employees.

Work Experience

Career summary: Retired from a twenty-eight year career at NASA, including eight years at NASA Headquarters in Washington, D.C., and twenty years at the Kennedy Space Center. Major work activity included: two-year fellowship, including development assignment with Congressional Research Service, eight years working in Space Shuttle logistics program, fifteen years in NASA's education program, KSC History Contact, vice-chair source evaluation board, three years as a senior leader culminating as Deputy Director, Education and External Relations Directorate. Worked for Alachua County government in urban planning as graduate student.

Deputy Director, Education and External Relations Directorate, Kennedy Space Center (KSC), 2010 – 2012

Served with the Director in leading and managing all aspects of the organization's mission in five key areas: management of the KSC Visitor Complex, KSC education efforts, legislative relations, strategic communications, and public events/access to the Center. Managed resources including personnel, budget and assets; member KSC strategic planning team, led organization through audits such as ISO. Developed a positive organizational culture through employee surveys, lunches and recognition, personnel development workshops, supervisory training and retreats. As a member of KSC Speakers' Bureau, spoke to many community groups about NASA activities.

Deputy Associate Administrator for Program Integration (Acting),

Office of Education, NASA Headquarters, Washington D.C., 2010

Served as one of two top officials in NASA's Education Program, integrating the activities of NASA's three education program areas: K – 12 STEM Education, Higher Education, and Informal Education and ten NASA field centers. Managed and led NASA's Education Coordinating Committee (ECC), the Agency's education policy-making body. Participated in presentations to Congressional staff and the White House Office of Science and Technology Policy (OSTP). Participated in the National Science and Technology Committee meetings, and budget/evaluation meetings with the Office of Management and Budget (OMB) as well as other Federal agencies. Presented budget and programmatic material to the NASA Administrator.

Vice-chairman, KSC Source Evaluation Board, Kennedy Space Center (KSC), 2009 – 2010

Managed the day-to day operations and progress of the board. The board was responsible for the competition and selection of the concession agreement to manage the KSC Visitors Center (VC), a twenty-year agreement including significant capital investment and revenues. Developed a vision for the next twenty years at KSC VC, provided industry briefings, developed request for proposals, evaluated proposals and presented to the source selection official. Selection was made from multiple bidders with no protest.

History Officer, Kennedy Space Center (KSC), 1993 – 2012

Responsible for planning, coordinating and managing history projects at the Kennedy Space Center. Served as Contracting Officer's Technical Representative (COTR) for *The History of the Kennedy Space Center* book project, written by Dr. Ken Lipartito, historian and author. I provided access to NASA personnel and material, provided contextual discussions as necessary, established peer review plan for individual chapters and entire book, and evaluated contractor performance. Worked with intellectual property rights issues, developed and managed publishing strategy with University of Florida Press. Additional history activities include: served as KSC mentor for multiple history students and faculty and developed KSC Oral History Program. Developed special materials for KSC's 50th anniversary.

Chief, Education Programs and University Research Division, KSC, 2005 – 2009

Managed the implementation of NASA's education programs in a four-state region: Florida, Georgia, Puerto Rico and the Virgin Islands. Responsible for planning and implementing all education services at KSC, including science, technology, engineering and mathematics (STEM) programs in the areas of K-12, higher education, informal education and e-education. Emphasized participation of underserved populations to inspire and engage more students to pursue STEM disciplines. Supervised civil service staff and oversight of contractor workforce. Managed all KSC education resources. Wrote and evaluated many project proposals.

University Affairs Officer, KSC, 1994 – 2005

Led a team focused on higher education programs. Developed unique, cutting-edge education programs, many in the area of educational technology, including the Virtual Science Mentor (VSM) Program, a cutting-edge program using Internet interactions to increase the audience who could interact with KSC engineers and scientists. Managed programs including Summer Faculty Research Opportunities, Graduate Student Research Program, National Research Council Post-doctorate program, NASA Science and Technology Scholarship Program, Faculty Awards for Research Program, Harriet Jenkins Fellowship Program, and undergraduate intern programs.

Logistics Management Specialist, NASA Headquarters and Kennedy Space Center, 1986-94
Planned, implemented and evaluated logistics for the National Space Transportation System (NSTS). Served as resource and technical analyst. At KSC, served as project lead for successful Phase II implementation of the NASA Shuttle Logistics Depot (NSLD). This two-year project developed and analyzed the business and technical case for a robust logistics depot to repair and manufacture Space Shuttle Orbiter components in Cape Canaveral leading to significant program savings (\$M) in the Space Shuttle Program. Presented analytical data to all levels of the Space Shuttle Program justifying the expansion; program implemented.

Presidential Management Intern (Fellow), 1984 – 1986. Entered government service as a competitively selected Presidential Management Intern (PMI). Selected to work as executive assistant to the NASA Administrator's Office for approximately one year. Worked with the Administrator, Deputy Administrator and Associate Administrator on a range of NASA issues. As a PMI I was also able to rotate through many different offices at NASA to gain a wide exposure to the Agency's varied activities as well as a detail at the Congressional Research Service.

Awards, Proposals, Conferences, and Papers

NASA Medals:

- NASA Equal Employment Opportunity Medal
- NASA Exceptional Service Medal
- NASA Outstanding Leadership Medal

University of Central Florida, College of Education Professional Achievement Award, 2011

Leadership Orlando, Class 76

Valencia College, nominated for Faculty Association Award for Excellence in Teaching, Counseling, and Librarianship, 2015

PAD 6335, Strategic Planning, certified as a Quality Online Course (state certification), 2017

Member American Society for Public Administration (ASPA)

- Nonprofit Section, Education Section and Central Florida Chapter

Research through Oral History

- Training received through NASA
- KSC Oral History Program lead
- Spiritual Journeys Oral Histories lead, local Orlando church
- Space Shuttle Technician Oral Histories, personal project
- Kennedy Space Center Collaboration interviews

Other IRB-Approved Research Projects, Proposals in Work

- Metacognition study, 2016
- Integrated Learning Study, 2016-2017
- Service Learning Study 2017-2018, Adaptive Learning: Using RealizeIT to teach Public Administration Courses

Member or Lead of numerous NASA Education proposal evaluation teams, 1996 – 2010

- NASA Explorer Institutes Focus Groups
- NASA Explorer Institutes Professional Development Workshops
- NASA Science and Technology Scholarship Cooperative Agreement
- NASA Designated Space Grant Consortium Competition
- NASA Experimental Program to Stimulate Competitive Research
- NASA Summer of Innovation

Teaching and Research Training

2018 UCF Quality Enhancement Plan Integrative Learning Course Designation Workshop

2017 UCF Faculty Teaching and Learning Center (FCTL), Contemplative Pedagogy Workshop

2017 UCF FCTL, Course Innovation Project, Metacognition

2017 UCF Faculty Teaching and Learning (FCTL) Winter Conference, “Implementing Integrative Learning in Public Administration”

- 2017 FCTL Summer Conference, two conference proposals accepted: developing strong online teams and adaptive learning for students
- 2016 UCF Faculty Development Conference. Winter 2016
- 2016 Online Course Development Certification Course (IDL 6543)

Conference Participation, Presentations and Papers

- 2018 UCF Special Faculty Focus Edition for Instructors, Lecturers (accepted): “Utilizing Integrative Learning in Public Administration Classes”
- 2018 American Society for Public Administration Conference: the Emergency Management Discipline: How Are We Moving the Needle?, Discussant
- 2018 Sunshine State Teaching and Learning Conference, Panel Chair, “Integrative Learning”
- 2017 UCF Community Partners Nonprofit Conference, Session Facilitator
- 2017 Southeastern Conference for Public Administration (SECOPA), presenter, “Transformation at NASA's Kennedy Space Center (KSC): State and Federal Government Collaboration”
- 2017 UCF Faculty Focus Article: “Student Consultants Provide an Independent Eye to Improve Teaching”
- 2017 American Society for Public Administration Conference, attendee
- 2003 NASA Research Summit. Panel Chairman; “Understanding and Working with the NASA Kennedy Space Center”.
- 2001 “Distance Mentoring in the NASA/Kennedy Space Center Virtual Science Mentor Program”, author (ERIC document #ED451056)
- 2001 NASA/Minority University Presidents Conference. Conference Organizer and Chairman. Invited audience included all minority serving university presidents in the country. Approximately 300 persons in attendance.
- 2001 Southwest Educational Research Association Conference. Presented “Distance Mentoring in the NASA/Kennedy Space Center Virtual Science Mentoring Program”.
- 2000 NASA Kennedy Space Center/Florida University President Exchange, Kennedy Space Center. Workshop organizer.
- 2000 37th Space Congress. Served as Session Chairman for session on “Successful Partnerships”.
- 1999 Partners in Education and Research Conference. Conference Co-Chairman.
- 1999 36th Space Congress. Served as Session Chairman for session on “New Approaches and Techniques to Educate the Space Workforce Beyond 2000”.
- 1998 NASA Kennedy Space Center/Florida University Representative Exchange, Kennedy Space Center. Workshop organizer.
- 1998 Partners in Education and Research Conference. Conference organizer and chairman
- 1998 35th Space Congress. Served as Session Chairman for session on “New Horizons in Education”.

Representative Community Activities

- Scout, Indian Guides leader
- Sunday School teacher, youth advisor
- Volunteer experiences: Kennedy Space Center Visitors Center, Leu Gardens, Polasek Museum, Orlando Cares: Pathfinders Program (mentoring students)