Jeffrey C. Johnson

EDUCATION

The Union Institute and University 1999-2007
Cincinnati, OH
Accreditation: North Central Association of Colleges and Schools
Degree: PhD, Arts and Sciences
Specialization: Aeronautical Science
Dissertation Title: Aloha Airlines: A Study of a Geographically Isolated Air Carrier

Embry-Riddle Aeronautical University 1993-1996
Daytona Beach, FL
Degree: Master of Aeronautical Science
Major: Aviation and Aerospace Management
GPA: 3.9
Thesis Title: The F-4G Flight Simulator: Good Enough for Our Needs

United States Air Force Academy 1981-1985
Colorado Springs, CO
Degree: Bachelor of Science
Major: Aeronautical Engineering
GPA: 3.38

HONORS AND AWARDS:
Dean's List: 8 Semesters
Commandant's List: 1 Semester
Superintendent's List: 1 Semester
Academic Order of Merit: 142/945

PROFESSIONAL ASSOCIATIONS:
The American Association of Airport Executives (AAAE)
The Aircraft Owners and Pilots Association (AOPA)

RELEVANT EXPERIENCE

Dean, Burton D. Morgan School of Aeronautics 2000-Present
Lynn University
Boca Raton, FL

- Responsible for overall supervision of School of Aeronautics
- Curriculum Coordinator for Aviation Management major
- Responsible for overall supervision of University Flight Program
- Responsible for overall supervision of FAR Part 141 and Part 142 Certificate compliance
- Continuous development and growth of Aeronautics program

Center Academic Advisor, 1999-2000
Embry-Riddle Aeronautical University (ERAU) Extended Campus
Honolulu, HI

- Conduct faculty performance evaluations
- Coordinate group faculty development activities
- Serve as Center and faculty representative
- Schedule and chair quarterly faculty meetings
- Facilitate search for qualified faculty; recommend which applicants to hire
- Assist as necessary with academic advising of students
- Resolve grading disputes
- Assist in the development of syllabi, exams, and grading rationales

Graduate Research Project Committee Chair 1999-2000
Embry-Riddle Aeronautical University (ERAU) Extended Campus
Honolulu, HI

- Ensures the student's Graduate Research Project (GRP) is conducted in a scholarly, academically correct manner
- Ensures the student conducts an academically sound investigation of an aviation/aerospace, theoretical or actual issue or problem
- Ensures the student utilizes concepts, knowledge, and skills acquired in Embry-Riddle courses to critically examine information collected about the issue or problem
- Ensures the student develops and expresses logical conclusions as a result of the analysis performed

Adjunct Professor, 1998-2000
Embry-Riddle Aeronautical University (ERAU) Extended Campus
Honolulu, HI

COURSES TAUGHT:

MAS 603 – Aircraft and Spacecraft Development

- Overview of aircraft and spacecraft development
- Vehicle mission, requirements directed by economics, and research and development processes are included
- Multiple facets of aviation and aerospace manufacturing organizations are studied

MAS 643: Management of Research and Development for the Aviation/Aerospace Industry

- Study includes types of aviation/aerospace research and development organizations
- Other areas of study include sources and methods of R&D funding, specification determination and the relationship of R&D to procurement and production
- Also studied are concepts of motivation and management as applied to research scientists and engineers

Approved to teach additional graduate and undergraduate classes. The course descriptions are:

MAS 510 – Advanced Aircraft Performance

- Analysis of performance characteristics for transonic, supersonic, and near space air vehicles
- Other facets of aeronautical performance of high speed and high altitude flight are also studied

MAS 509 – Advanced Aerodynamics

- Study of current flight applications and problems that includes transonic, supersonic, and hypersonic aerodynamics, principles of aircraft stability and control, and operational strength considerations
- Emphasis placed on the applications of the rapidly changing technological innovations in aerodynamics and solutions to the problems created by these advances

BA 321 - Aviation/Aerospace Systems Analysis Methods

- Overview of the system development life cycle
- Emphasis on current system documentation through the use of both classical and structured tools/techniques
- Process flows, data flows, data structures, file designs, input and output designs and program specifications are studied

MA 111 – College Mathematics for Aviation I

- Pre-calculus course designed for the student of aviation
- Review of the fundamentals of algebra; linear equations and inequalities; quadratic equations; variation; polynomial, rational, exponential, logarithmic and trigonometric functions; radian measure; right triangle solutions, vectors and the laws of sines and cosines

MA 112 – College Mathematics for Aviation II

- Basic calculus designed for the student of aviation
- Differentiation and integration of algebraic functions; applications to velocity, accelerations, area, curve sketching and computation of extreme values

Instructor Pilot/Assistant Section Commander 1990-1993
Sheppard Air Force Base, TX

- Responsible to teach novice aviators all fundamentals of aviation
- Taught all aspects of aircraft systems, aeronautical basics, and advanced jet aircraft handling characteristics through classroom settings, simulator instruction and actual flying training

GRADUATE STUDIES

Ph.D. Course Titles:

Organizational Management in the Aviation Industry:

DSRE-711 – The Effects of International Management on the Aviation Industry
DSRE-712 – Aviation Organizational Management
DSRE-713 – Research and Development Organizational Management

Aviation Professional Education:

DSRE-721 – Advanced Aviation/Aerospace Curriculum Development
DSRE-722 – Professional Level Adult Education in the Aviation Community
DSRE-723 – Aerospace Education

Research Methods for the Aviation Industry:

RSCH-881 – Advanced Research Methodologies for Aviation
RSCH-882 – Case Study Research Design
RSCH-883 – Advanced Research Design

MAS Course Titles:

MAS 602 – Air Transport Systems
MAS 603 – Aircraft and Spacecraft Development
MAS 604 – Human Factors in the Aviation/Aerospace Industry
MAS 605 – Research Methods and Statistics
MAS 611 – Aviation/Aerospace System Safety
MAS 622 – Corporate Aviation Operations
MAS 636 – Advance Aviation/Aerospace Planning
MAS 640 – Sup & Dist in Aviation/Aerospace
MAS 690 – Graduate Research Project
ABA 645 – Airport Management
ABA 632 – Seminar Aviation Labor Relations

CONTINUING EDUCATION

- Air Command and Staff College
- Acquisition Professional Development Program Level I
- Acquisition Professional Development Program Level II
- Squadron Officer School
- Steven Covey Leadership Course
- Advanced Personnel Management and Program Management
- Quality Improvement, Supervision, Motivation and Leadership

PUBLICATIONS

- "Real-Time Information Into the Cockpit: Historical Results and Expected Results." Proceedings of the 1996 National Fire Control Symposium
- "Real-Time Information Into the Cockpit: Historical Results and Expected Results—An Update." Proceedings of the 1997 National Fire Control Symposium
- *Aloha Airlines: A Study of a Geographically Isolated Air Carrier*. ProQuest Information and Learning Company, 2007.
- "The Use of Case Study Methodology in Aviation Higher Education." *Journal for Aviation and Aerospace Research,* 2009.

PRESENTATIONS

- "Real-Time Information Into the Cockpit: Historical Results and Expected Results." 1996 National Fire Control Symposium
- "Real-Time Information Into the Cockpit: Historical Results and Expected Results—An Update." 1997 National Fire Control Symposium

RESEARCH

- Program Manager, Off-Board Targeting Experiment
  Air Force Research Laboratory
  Purpose: Explore targeting applications of advances in real-time information avionics technologies

- Program Manager, Theater Missile Defense
  Air Force Research Laboratory
  Purpose: Explore theater missile defense applications of advances in real-time information avionics technologies

- Operational Advisor, Integrated Real-Time Information Into and Out of the Cockpit
  Air Force Research Laboratory
  Purpose: Explore Applications of advances in real-time information avionics technologies to stealth platforms

ADDITIONAL QUALIFICATIONS AND SKILLS

- Extensive knowledge of application of MSWord, Works, Excel, PowerPoint, Project
- Extremely effective written and oral communicator
- Expertise in problem-solving skills honed by years of experience
- Wide breadth of distance learning experience with the effective use of all types of media during Master's Degree program
- Private Pilot Single Engine Land

PRACTICAL EXPERIENCE

U.S. AIR FORCE. 5/85-10/00

Chief, Realistic Training.
PACIFIC AIR FORCES.
3/98-Present

- Develops operational tactics and concepts and directs training requirements to support warfighting success of USAF, Joint, and Combined Forces
- Responsible for aircrew management issues.
- Supports National Command Authority managing special access programs
- Responsible for budgeting and execution of over $15 million for A-10 programs in theater
- Responsible for all aspects of flight simulators for all aircraft types in the USAF's largest area of operations
- Off-Board Targeting Experiments Program Manager.

AIR FORCE RESEARCH LABORATORY
11/95-3/98

- Responsible for the performance of a $17 million program aimed at improving real time information dissemination
- Brief requirements to upper management on program status and all budgetary planning for successful implementation of funds
- Oversee execution of contracts to ensure accomplishing contract obligations
- Periodically review Mission Avionics Directorate programs for operational relevance and usefulness
- Heavily involved in development of advanced information fusion technology
- Extensive experience with national systems such as JSTARS, U-2, Satellite, Rivet Joint, and all fighter data link systems

Chief, Squadron Scheduling, Flight Lead, Pilot, F-4G.
AIR COMBAT COMMAND
1/94-11/95

- Responsible for all scheduling of a 24-aircraft combat-ready squadron
- Planned, briefed, and led complex defense suppression missions in support of global contingency demands
- Coordinated actions on and off base with outside agencies and deployed squadrons
- Assisted in the training and supervision of crew members ready to deploy 24 aircraft, 76 pilots, 480 maintenance personnel, and associated equipment to any locations

Instructor Pilot/Assistant Section Commander, T-37.
AIR EDUCATION AND TRAINING COMMAND
9/90-12/93

- Assisted in the supervision of four flight commanders responsible for over 100 student and instructor pilots and an annual expenditure of more than $16 million
- As Flying Supervisor, directed wing flying operations involving almost 400 solo and dual sorties per day
- As Runway Supervisor, responsible for air traffic control, often exceeding 100 takeoffs and landings per hour
- Responsible to teach novice aviators all fundamentals of aviation

Chief, Squadron Training Shop/Pilot, A-10.

UNITED STATES AIR FORCES EUROPE
10/87-9/90

- Planned, led, and executed simulated combat missions.
- As Chief of Squadron Training Shop, ensured that all wing and higher headquarters training guidance procedures and training were implemented in a timely manner

Undergraduate Pilot Training.
AIR EDUCATION COMMAND
5/85-10/87

- USAF Senior Pilot Rating
- Civilian Private Pilot Rating