

James E. Ripple

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PROFESSIONAL PROFILE

- Instructional expertise at advanced industry/aviation technology undergraduate levels.
- Educational and Research interests: Leadership, Safety, Weather, Aviation History, Industrial Technology, Materials and Processes.
- Research, writing and presentation skills nurtured as lecturer, teacher, inspector and evaluator.

TEACHING AND OPERATIONAL EXPERIENCE

2024 – Pres KENT STATE UNIVERSITY, Kent, OH
Associate Lecturer – College of Aeronautics and Engineering (CAE)

- Associate Lecturer, Primary instructor for 6 individual courses within the Aeronautics discipline.
- Re-development and implementation of AERN 15745 – Non-Pilot Flight Theory
- Re-development and implementation of AERN 35030 – Introduction of Corporate Aviation
- Aeronautics Faculty Advisor
- CAE Graduate Faculty Advisory Committee
- Faculty Promotion Board – Member
- Faculty Evaluation Board – Member

2014 – 2024 KENT STATE UNIVERSITY, Kent, OH
Associate Professor - College of Aeronautics and Engineering (CAE)

- Associate Professor, Primary instructor of 8 individual courses within Aeronautics disciplines/Secondary instruction of First Year Experience (FYE) studying and tutoring curriculum.
- Responsible for concept development, curriculum, implementation of and class management for debut Professional Development I (AERN 20000).
- Initiated "Extras for Experts" in classroom to mentor the students after lesson objectives are complete. Designed to mentor, provide suggestions and stimulate strong student habit patterns.
- Restructuring of both Aircraft Systems I & II (AERN 35040/45030) curriculum and teaching method.
- Non-Tenure Track Provost's Advisory Council (NPAC)
- Aeronautics Faculty Advisor
- CAEST Graduate Faculty Advisor Committee
- Faculty Advisor – Alpha Eta Rho
- Faculty Promotion Board – Member
- Faculty Evaluation Board – Member

- University Diversity Action Council - Member

2012 – 2014 KENT STATE UNIVERSITY, Kent, OH
Adjunct Professor College of Aeronautics and Engineering (CAE)

- Assistant Professor, Introduction to Aeronautics, the gateway into all CAE disciplines.
- Responsible for curriculum development, implementation and class management for over 160 students (Fall 12 semester).
- Initiated "Extras for Experts" in classroom to mentor the students after lesson objectives are complete. Designed to mentor, provide suggestions and stimulate strong student habit patterns.

2007 - 2012 AFROTC / DETACHMENT 630, Kent State University, Kent, OH
Associate Professor / AFROTC Operations

- Teach undergraduates Aerospace Studies: Air Power, Leadership, Leadership Laboratory.
- Stimulate class involvement through use of case studies, officership simulations, and group leadership projects.
- Annually serve as Commandant of Cadets to entire AFROTC Cadet Corps both guiding and mentoring over 125 cadets yearly through rigorous training program.
- Volunteered on several occasions to instruct KSU Aerospace students on various subjects at professor's request; Aviation History, Air Power, U.S. Military and Air Force history among subject courses taught.

2004 - 2007 MOODY AIR FORCE BASE, Valdosta, GA
Chief of Inspections

- Directly responsible for operational, contingency and compliance inspection training, preparation, execution, evaluation and discrepancy correction for over 6100 military and civilian personnel.
- Chaired weekly senior staff planning meetings; responsible for assigning and allocating available resources to be used in exercise and evaluations.
- Primary safety and standards and evaluations expert for entire organization; post evaluation reports ensured consistent improvements in both procedures and safety in current operations, long range planning, contingency operations and procedure alteration recommendations.

2001 - 2004 VANCE AIR FORCE BASE, Enid, OK
Undergraduate Pilot Training Instructor / Evaluation Check Pilot

- Primary flight instructor/evaluator for 56-week course covering contact (visual), instrument, navigation, low level and formation flying; instructed and students and in all aspects of training and performed

evaluation/elimination check flights.

- Responsible for ground school, academic, simulator and aircraft training; Approximate 200-hour program converts zero-hour candidate to fully qualified United States Air Force pilot.

- 1997 - 2001 MOODY AIR FORCE BASE, Valdosta, GA
Advanced Instrument Instructor / Combat Rescue Pilot Primary focus on learning the HH/MH-60G Pavehawk Combat Search and Rescue mission; exclusive study and mastery of employment techniques, systems, operational procedures, instructional application and contingency operations.
- Hand selected to attend Air Force Advanced Instrument School; became subject matter expert on instrument procedures and instrument flying techniques.

SELECTED WRITING

- A Correlation Analysis of Phase Two Student Performance to Phase Three Merit Assignment Scoring System (M.A.S.S.) Calculations within Joint Specialized Undergraduate Pilot Training (JSUPT)

PROFESSIONAL, GRADUATE, AND UNDERGRADUATE STUDIES

- 2008 AFROTC INSTRUCTOR COURSE, Randolph AFB, TX
Graduate, Associate Professor – AFROTC Program
- 2008 EMBRY RIDDLE AERONAUTICAL UNIVERSITY, Daytona Beach, FL
Graduate, Masters of Aeronautical Science - Dual Specialty (Safety and Management)
- 2007 VALDOSTA TECHNICAL COLLEGE, Valdosta, GA
Welding – Technical Certificates (Arc, MIG, TIG)
- 2007 WING DECEPTION OFFICER SCHOOL, Hulbert Field, FL
Graduate, Wing Deception Officer
- 2005 ADVANCED INSTRUMENT SCHOOL, Randolph AFB, TX
Graduate, Advanced Instrument Instructor
- 2004 PILOT INSTRUCTOR TRAINING, Randolph AFB, TX
Graduate - Instructor/Evaluator Pilot
- 1995 MH/HH-60G MISSION PILOT QUALIFICATION COURSE, Kirtland AFB, NM
Distinguished Graduate
- 1995 COMBATANT SURVIVAL TRAINING (SV-80), Fairchild AFB, WA
Graduate

1995 AIRCREW WATER SURVIVAL, Pensacola, FL
Graduate

1995 ROTARY WING QUALIFICATION COURSE, Fort Rucker, AL
Honor Graduate

1994 UNDERGRADUATE PILOT TRAINING, Vance AFB, OK
Commander's Award Graduate Honors, Pilot

1991 KENT STATE UNIVERSITY, Kent, OH
Graduate, Bachelor of Arts – Aerospace/Industrial Technology

UNIVERSITY COURSES TAUGHT

AERN 15000 – Introduction to Aeronautics
AERN 15745 – Flight Theory for Non-Pilots
AERN 20000 – Professional Development I
AERN 35040 – Aircraft Systems I
AERN 35650 – Non-Pilot Instrument Flight Theory
AERN 45030 – Aircraft Systems II
AERN 45350 – Avionics
AERN 45791 – Security and Policy (WIC)
ASTU 10101 – The Foundation of the United States Air Force I
ASTU 10102 – The Foundation of the United States Air Force II
ASTU 10103/10104/20103/20104/30103/30104/40103/40104 – Leadership
Laboratory
ASTU 20101 – Evolution of United States Air Force and Space Power I
ASTU 20102 – Evolution of United States Air Force and Space Power II
ASTU 30101 – Leadership Studies I
ASTU 30102 – Leadership Studies II
ASTU 40101 – Defense Studies I
ASTU 40102 – Defense Studies II

UNIVERSITY COURSES DEVELOPED OR RESTRUCTURED

AERN 15745 – Flight Theory for Non-Pilots – Restructure
AERN 20000 – Professional Development – Developed
AERN 35030 – Introduction to Corporate Aviation -
Restructure
AERN 35040 – Aircraft Systems I – Restructure
AERN 35650 – Non-Pilot Instrument Flight Theory – Restructure
AERN 45030 – Aircraft Systems II – Restructure
AERN 45350 – Avionics – Restructure