

AVIATION AND SPACE EDUCATION (AVED)

AVED 1114 Theory of Flight

Description: Private pilot ground school. Course includes theory of flight, principles of navigation, meteorology, and Federal Aviation Regulations. Preparation for FAA private pilot computer-based knowledge exam. Previously offered as AVED 1113.

Credit hours: 4

Contact hours: Lecture: 4 Contact: 4

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 1210 Private Flight Laboratory 1A

Description: Flight lab for beginning pilots. Course contains first part of FAA Private Pilot Certification. Training conducted under 14 CFR 141. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 1222.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 1222 Private Flight Laboratory I

Description: Flight lab for beginning pilots. Course contains first part of FAA Private Pilot Certification. Training conducted under 14 CFR 141. Course previously offered as AVED 1221.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$350 applies.

AVED 1230 Private Flight Laboratory 2A

Prerequisites: AVED 1222 or AVED 1210

Description: Flight lab for beginning pilots part two. Course contains second part of FAA private pilot certification. Training conducted under 14 CFR. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 1232.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 1232 Private Flight Laboratory II

Prerequisites: AVED 1222.

Description: Course contains second part of FAA Private Pilot Certification. Training conducted under 14 CFR 141.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$350 applies.

AVED 1403 Advanced Theory of Flight

Prerequisites: AVED 1114 and passed FAA Private Pilot Examination.

Description: Advanced navigation, aircraft performance and meteorology, and introduction to crew resource management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 2112 Secondary Flight (H)

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: Human Heritage & Cultures

AVED 2120 Intermediate Flight Laboratory 1A

Prerequisites: AVED 2133 or AVED 2130.

Description: Professional Pilot Course emphasizing IFR cross country operations. Flight instruction conducted under Part 141. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 2122. Special fee required.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 2122 Intermediate Flight Lab

Prerequisites: AVED 2133.

Description: Professional Pilot Course emphasizing IFR cross country operations. Flight instruction conducted under FAR Part 141. Special fee required.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$350 applies.

AVED 2130 Instrument Flight Laboratory 1A

Prerequisites: AVED 1222 or AVED 1210, and AVED 1232 or AVED 1230.

Description: Professional Pilot Course required for FAA instrument rating. Flight instruction conducted under FAR Part 141. Offered for variable credit, 1-3 credit hours, maximum of 3 credit hours. May not be used for degree credit with AVED 2133.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 2131 Conventional Landing Gear Systems**Prerequisites:** AVED 1232 Primary Flight Lab II.**Description:** Course provides the knowledge and practical experience required to demonstrate proficiency in conventional landing gear configured aircraft. Completion of this course will endorse the student under Federal Regulation Part 61 for Pilot-In-Command operation for Tail Wheel aircraft. Requires flight instruction conducted under FAA FAR Part 141.**Credit hours:** 1**Contact hours:** Contact: 1 Other: 1**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**AVED 2133 Instrument Flight Laboratory****Prerequisites:** AVED 1222 and AVED 1232.**Description:** Professional Pilot Course required for FAA instrument rating. Flight instruction conducted under FAR Part 141. Previously offered as AVED 2132.**Credit hours:** 3**Contact hours:** Contact: 3 Other: 3**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**AVED 2140 Commercial Maneuvers Flight Laboratory 1A****Prerequisites:** AVED 2122 or AVED 2120.**Description:** Professional Pilot Course emphasizing Commercial practical test maneuvers. Flight instruction conducted under Part 141. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 2142.**Credit hours:** 1-2**Contact hours:** Contact: 1-2 Other: 1-2**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**AVED 2142 Commercial Maneuvers Flight Lab****Prerequisites:** AVED 2122.**Description:** Professional Pilot Course emphasizing Commercial practical test maneuvers. Flight instruction conducted under FAR Part 141.**Credit hours:** 2**Contact hours:** Contact: 2 Other: 2**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**Additional Fees:** AVSED fee of \$350 applies.**AVED 2213 Theory of Instrument Flight****Prerequisites:** AVED 1403.**Description:** Instrument flight rules, the air traffic system and procedures, the elements of forecasting weather trends. Preparation for FAA instrument computer-based knowledge exam. Previously offered as AVED 2214.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 2313 Theory of Commercial Flight****Prerequisites:** Passed Private Pilot Knowledge Exam.**Description:** Advanced aircraft systems, aerodynamics, federal aviation regulations, airports and airspace, navigation, and performance. Preparation for FAA Commercial Pilot Written Examination.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 2513 Aviation Career Planning and Development****Description:** Assessment of career interests and aviation job opportunities that match those interests. Development of an academic and career learning and development plan consistent with identified interests.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3113 History of Aviation****Description:** History of aviation from its early developments to the present. Historic events and the role of government as they relate to the evolution of the regulatory infrastructure of the aviation industry. Previously offered as AVED 2113.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3231 Theory of Multi-Engine Flight****Prerequisites:** Private Pilot Certificate.**Description:** Aeronautical theory and information required for operating the multi-engine airplane safely, efficiently and within its specified limitations. Emphasis on aerodynamics and multi-engine emergencies.**Credit hours:** 1**Contact hours:** Lecture: 1 Contact: 1**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3243 Human Factors in Aviation****Description:** The study of people interacting with the aviation environment. Individual and group performance, equipment design, physical environment and procedure development.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3333 Advanced Aircraft Systems****Prerequisites:** AVED 2313.**Description:** Professional Pilot Course emphasizing multiengine operations, including Commercial certification with Multiengine Rating. Flight instruction conducted under FAR Part 141. Special fee required.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation

AVED 3341 Multi-Engine Flight Laboratory**Prerequisites:** AVED 2142.**Description:** Professional Pilot Course emphasizing multiengine operations, including Commercial certification with Multiengine Rating. Flight instruction conducted under FAR Part 141.**Credit hours:** 1**Contact hours:** Contact: 1 Other: 1**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**AVED 3433 Aviation/Aerospace Ethics****Description:** Ethical decision-making as applied to the aviation and aerospace industry, an industry with narrow tolerance for error in terms of human life and economic impact. Awareness of aviation ethical issues and associated decision-making skills.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3443 Aviation Legal and Regulatory Issues****Description:** Insight pertinent to federal governing bodies in addition to local and international laws forming the present structure of aviation law. Practices and pitfalls in aviation activities and a basic legal research capability.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3453 Aviation/Aerospace Security Issues****Description:** Analysis of the legal and regulatory responses to changing threats to aerospace security. Review of technological solutions for airports and aircraft.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3463 Aerospace Maintenance and Safety****Description:** Identification and management of the human errors encountered in all aspects of aircraft maintenance operations. Case studies of maintenance-related accidents: line, hangar, and overhaul maintenance. The role of quality control and quality assurance are also examined as tools in reducing maintenance error.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3473 OSHA for Aerospace Managers****Description:** Occupational safety and health requirements within the aerospace industry. History of OSHA, OSHA regulations relative to aerospace organizations along with recent inspection results and published violations.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3483 Airport Passenger and Baggage Screening****Description:** The history of airport security, the laws and agencies tasked with aviation security and the passenger and baggage screening technologies currently in use or being tested in airports. The role of technology in the aviation layered security program will be discussed.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3493 Analysis of Aviation Security Countermeasures****Description:** A comprehensive approach to identification and analysis of security countermeasures in the Aviation industry.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3513 Aviation/Aerospace Management Principles****Description:** Managing the major elements of the aviation/aerospace industry, including aircraft manufacturing and air transportation system.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3523 Airport Planning and Management****Description:** Overview of the major functions of airport management, including master planning. Study of the socio-economic effects of airports on the communities they serve.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3533 Aircraft Turbine Engine Operation****Description:** Principles of physics and gas laws pertaining to turbine powered aircraft operation. Turbine power plant systems theory with emphasis on safe and efficient operation of turbine powered aircraft.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 3543 Aerospace Organizational Communications****Description:** Aerospace communication to aid aviation students in proper use of written and verbal skills needed in various aerospace leadership roles.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation

AVED 3563 Aviation Marketing

Description: Marketing aviation products for the major elements of the aviation industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3573 Aviation/Aerospace Finance

Description: Financing the major elements of the aerospace industry, including general aviation, aircraft manufacturing and airports.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3623 Airport Network Security

Description: Comprehensive evaluation of the airport network landscape to include evaluation and mitigation of potential threats to the overall airport environment.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3663 Aerospace and Air Carrier Industry

Description: Broad understanding of the air transportation industry and an in-depth knowledge of the organizational structures, managerial functions and operational aspects of today's major, national, and regional air carriers. Historical perspectives, regulators and associations, economic characteristics, labor relations and marketing of modern air carriers.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3773 Underrepresented Populations in Aviation and Space (D)

Description: This course will identify the current issues facing the aviation and aerospace industry, and why inclusiveness within the industry matters even more today, as well as in the future. Explore the numerous struggles that underrepresented populations overcame to achieve their successes; and examine the many contributions that underrepresented populations made to the U.S. aviation and aerospace industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: Diversity

AVED 3883 Space Flight

Description: A broad understanding and an in-depth knowledge of space flight and exploration of outer space. Emphasis will be placed on a thorough historical review and examination of the types of people and technological advancements involved in space exploration and flight.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3913 Planetary Sciences

Description: A grand tour of the classical planets, minor planets, moons, asteroids, comets, the Sun and more. The course will cover the physical sciences utilized within the greater field of planetary sciences (e.g. Earth sciences, chemistry, physics, astronomy, and biology) in order to aid students' learning of course material. Within the grand tour, focus will be placed on major scientific results of telescopic and spacecraft missions, as well as laboratory and field measurements.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 3993 Aviation/Aerospace Supply Chain Management

Description: Management of aviation/aerospace supply chain processes and performance. Encompass the processes associated with the production of goods and services, including the movement of raw materials, inventory, and finished products. Introduce a variety of industry examples and cases related to aviation/aerospace domestic and global demand-driven supply chains to understand and evaluate the vital role of supply chain management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4100 Specialized Studies in Aviation

Description: Independent studies, seminars, and training within selected areas of aviation. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4103 Aerospace Distribution, Warehousing and Transportation

Description: Aerospace logistics concepts and the management of aerospace distribution activities ranging from top management planning to warehousing and shipping.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4113 Aviation Safety

Description: Flight safety including studies in human factors, weather, aircraft crashworthiness, accident investigation, and aviation safety programs. Elements of aviation safety and flight operations (private flying, flight instruction, and business flying) and commercial aviation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4123 Aerospace Depot Maintenance

Description: Aerospace depot maintenance operational and budget issues related to Economic Order Quality, Materials Requirement Planning, Benefit Cost Analysis, repair expenditures, fleet flight hours, transport modules, handling, shipping and other activities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4133 Principles of Flight Instruction

Description: Preparation for the FAA Fundamentals of Instructing and Flight Instructor Knowledge Exams, as well as preparation for the CFI Initial Practical Test.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4143 Government Operations and Interfaces in Aerospace Management

Description: Government and its impact on aerospace management decisions related to logistics, inventory management, production, and operations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4153 Aerospace Sustainment

Prerequisites: Senior standing.

Description: A capstone course requiring application of all elements of the supply-chain management process to an aerospace organizational problem or project.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4163 FAA and Aerospace Logistics Regulations and Requirements

Description: Government regulations and requirements and the impact of those requirements on the aerospace supply chain management processes using case scenarios related to logistics, aviation, operations, procurement and the environment.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4173 Aerospace Logistics Quality Programs

Description: Logistics quality programs, including TQM, Kaizen, Lean, Six Sigma, and ISO 9000 in aerospace organizations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4193 Aerospace Human Resource Management and Aerospace Workforce Acquisition

Description: Workforce planning techniques to strengthen knowledge retention practices within the aerospace industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4200 Internship in Aviation

Description: Individually supervised internship in aviation career areas. Directed field experience related to the participant's area of concentration. Offered for variable credit, 1-12 credit hours, maximum of 12 credit hours.

Credit hours: 1-12

Contact hours: Contact: 1-12 Other: 1-12

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4223 Turbine Aircraft Transition

Prerequisites: AVED 3341, AVED 3333, AVED 4353 and AVED 4703.

Description: Fundamental flight and operating procedures of turbine engine aircraft.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4230 Flight Instructor Flight Laboratory 1A

Prerequisites: AVED 2142 or AVED 2140, and AVED 4133.

Description: Dual flight instruction to meet the requirements for the FAA flight instructor: airplane certificate. Flight instruction conducted under FAR Part 141. Offered for variable credit, 1-2 credit hours, maximum of 2 credit hours. May not be used for degree credit with AVED 4232. Special fee required.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4232 Flight Instructor: Airplane Flight Laboratory

Prerequisites: AVED 2142, AVED 4133.

Description: Dual flight instruction to meet the requirements for the FAA flight instructor: airplane certificate. Flight instruction conducted under FAR Part 141. Previously offered as AVED 4231.

Credit hours: 2

Contact hours: Contact: 2 Other: 2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$350 applies.

AVED 4303 Aviation Weather**Prerequisites:** GEOG 3033.**Description:** Familiarization with weather products needed to enhance flight safety.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4331 Flight Instructor: Instrument Flight Laboratory****Prerequisites:** AVED 4232.**Description:** Dual flight instruction to meet the requirements of adding an instrument flight instructor rating to the flight instructor certificate. Flight instruction conducted under FAR Part 141.**Credit hours:** 1**Contact hours:** Contact: 1 Other: 1**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**Additional Fees:** AVSED fee of \$260 applies.**AVED 4333 Advanced Aircraft Performance****Description:** A study of advanced aircraft performance including appropriate physical laws, atmospheric properties and power plant technology.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4343 Geospatial Technologies for Aerospace Managers****Description:** Using geographic information systems (GIS) and other geospatial technologies to effectively manage airports, including project management, maintenance, safety and security, noise and obstruction management, and environmental management.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4353 Cockpit Automation****Prerequisites:** AVED 2133.**Description:** A study of aircraft "glass cockpits", including performance management, navigation and guidance, automatic flight control, flight instrument displays, and crew advisory and warning.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4413 Aviation Terrorism and Asymmetrical Warfare****Description:** Origins of modern terrorism and asymmetrical warfare as it related to current aviation security issues. A historical perspective to the headlines of today providing an understanding needed in making future security decisions.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4423 Aviation Security Organizations and Law****Description:** Understanding how security systems and law are organized and managed. Problems facing security management, including recruiting, screening, and hiring of security personnel. Problems associated with 24/7 operations.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4433 Airport Safety Inspections****Description:** Safety requirements of U.S. general aviation airports. Elements of the 5010 airport inspection program, FAA advisory circulars, and other pertinent documents.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4513 Aviation Operations Management****Prerequisites:** AVED 3513 and AVED 3573.**Description:** Application of operational management theory and practices within the aviation/aerospace industries.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4523 Airport Certified Member Preparation****Prerequisites:** AVED 3523.**Description:** Course focus is to earn knowledge necessary to successfully complete the AAEE Certified Member (CM) designation examination. Comprehensive evaluation of airport management and leadership issues to include administration, air service development, construction, finance, legislative affairs, maintenance, marketing and communications, operations, planning, and security.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Undergraduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 4571 FFA Airplane Single Engine Sea****Prerequisites:** AVED 2313, FAA COMM ASEL.**Description:** Course provides the knowledge and practical experience required to pass a COMMERCIAL Single Engine Sea (ASES) FAA practical examination to add the ASES rating to an existing COMMERCIAL Single Engine Land (ASEL) license. Requires flight instruction under FAA FAR Part 141.**Credit hours:** 1**Contact hours:** Contact: 1 Other: 1**Levels:** Undergraduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation

AVED 4643 Aviation Navigation Global Positioning Systems

Description: Overview of the theory and operation of the GPS in the private and public sector.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4653 International Aerospace Issues (G)

Description: Fundamental knowledge, comprehension and abilities to apply, analyze, synthesize and evaluate international aerospace issues, including trends in security, safety, technology, and organizations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

General Education and other Course Attributes: International Dimension

AVED 4663 Aerospace Leadership

Description: Leadership theories and practices applicable to the aerospace environment and the types of leadership skills required for 21st Century aerospace organizational leaders.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4703 Crew Resource Management

Prerequisites: AVED 2133 and AVED 2142.

Description: Discovering how resource management applies to crew behavior in aviation. Special emphasis on decision-making, judgment, teamwork, stress management, situation awareness, leadership, and workload management.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4713 Unmanned Aircraft Pilot Laboratory

Prerequisites: AVED 1114.

Description: Aeronautical theory, information and piloting skills will be utilized for operating an unmanned aircraft safely, efficiently and within its specified limitations. Classroom and laboratory experiences are designed for the students to gain the necessary skills to operate an unmanned aircraft safely.

Credit hours: 3

Contact hours: Lab: 6 Contact: 6

Levels: Undergraduate

Schedule types: Lab

Department/School: Educ Found Leadersh & Aviation

AVED 4771 Flight Instructor: Multi-Engine Flight Laboratory

Prerequisites: AVED 4232.

Description: Dual flight instruction to meet the requirement for adding a multi-engine flight instructor rating to the flight instructor certificate. Flight instruction conducted under FAR Part 141. Special fee required.

Credit hours: 1

Contact hours: Contact: 1 Other: 1

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

Additional Fees: AVSED fee of \$260 applies.

AVED 4813 Air Transportation Compliance

Description: Regulatory requirements in the management of air transportation and logistics operations including the shipment of hazardous materials in domestic and international transport, U.S. Customs import/export compliance, and Transportation Safety Administration (TSA) requirements.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4883 Capstone Course in Aviation Management

Prerequisites: Aviation Management major with senior status.

Description: Applies knowledge and issues obtained in prior aviation courses.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4943 Basic Aircraft Accident Investigation

Description: A study of statutes, regulations and regulatory agency requirements that influence aircraft accident investigation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4953 Corporate and General Aviation Management

Description: Study of management principles and practices of corporate and general aviation. Equipment acquisition, legal requirements, government regulations, flight operations, aircraft maintenance, management and investment decision-making.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4963 Airport Design

Description: Overview of airport planning and development parameters, airport design considerations, economic impact of airport development, and a global examination of airport expansion projects.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4983 Aerospace Industry Hazardous Materials or Dangerous Goods

Description: Regulatory requirements and compliance issues in managing aerospace industry hazardous materials and dangerous goods.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 4990 Pilot Proficiency Flight

Description: Required for students entering the aviation education program who possess all FAA certificates/ratings required for the aviation sciences degree. Offered for variable credit, 1-2 credit hours, maximum of 4 credit hours.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 4993 Aviation Labor Relations

Description: Aviation industry laws, regulations, and procedures for management and organized labor from historical through current perspectives. Focus on economic, legal, political, and public policy factors in aviation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5000 Master's Report or Thesis

Prerequisites: Consent of adviser.

Description: Students studying for a master's degree enroll in this course for a total of 3 credit hours if writing a report or 6 hours if writing a thesis. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5020 Seminar in Aerospace Education

Prerequisites: Consent of instructor.

Description: Individual research problems in aerospace education. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5053 Guided Reading and Research

Prerequisites: Consent of instructor.

Description: Guidance in reading and research required for the MS in aviation and space program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5103 Aviation Career Development

Description: Aviation career development in private and public aviation organizations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5113 Aerospace Safety Programs

Prerequisites: AVED 4113.

Description: A detailed examination of risk management and accident prevention in the aerospace industry. Organization and operation of safety programs including OSHA requirements, performance measurements, cost analysis, and systems safety analysis.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5153 Capstone in Aerospace Research

Prerequisites: AVED 5053.

Description: The final culminating project intended to be an in-depth application of the knowledge and skills acquired from the MS Aerospace Education curriculum.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5200 Graduate Internship in Aviation and Space

Description: Directed field experiences in aerospace education for master's students. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5203 Aeromedical Factors

Prerequisites: AVED 3243.

Description: The study of aeromedical factors that influence pilot performance. The study of life support equipment designed to increase aviation safety.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5303 Aviation and Space Quality Issues

Description: A study of the practice and research involved in implementing aviation and space quality issues.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5333 Aircraft Performance

Description: Operational flight performance issues, especially transition from propeller-driven to jet aircraft. Use of flight simulation software to determine optimal speeds for climb, descent, range and maximum endurance of a specific aircraft model.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5363 Aircraft Systems

Description: Flight management systems, data exchange busses, computerized flight control systems, airframe environmental systems, electrical, pressurization, fuel and icing. Earlier generation aircraft systems contrasted with modern aircraft systems.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5403 Passenger Screening Technology

Description: Understanding of the technologies currently in use or being tested in airports. Passenger screening technologies and their role in establishing a layered security program.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5413 Landside Security Technologies

Description: Technologies available for protecting the landside of the airport. Access control systems, blast protection and mitigation planning, perimeter security technologies and biometric technologies.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5423 Security Planning Audits and NIMS

Description: The management of a security program. Written security plans, security audits, emergency management, and the National Incident Management System.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5433 General Aviation and Cargo Security

Description: Overview of airport operations: regulatory history of air transportation, aviation forecasting, capacity and delay issues at airports, environmental issues, airport emergency procedures and aircraft rescue and fire-fighting, and airport system and master planning.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5443 International Aviation Security

Description: Civil aviation security structure required of all airports and airlines engaged in international civil aviation operations. Focuses on the requirements of the International Civil Aviation Organization, specifically ICAO Annex 17.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5453 Advanced Aviation Security

Prerequisites: Graduate standing.

Description: In-depth look at aviation security. Development of a greater understanding of problems associated with maintaining a secure aviation transportation industry. Familiarity with the history of attacks against aircraft, airports and other aviation facilities.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5463 Aerospace Risk Assessment

Description: The risks, threats, and vulnerabilities associated with aviation/aerospace assets, and associated decision-making processes. Risk management principles and utilizing cost-benefit analysis and other tools and methodologies applicable to aviation and aerospace challenges.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5473 Aerospace Education and Training Effectiveness

Description: Curriculum design and instructional effectiveness for aviation/aerospace educators and training professionals.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5543 Advanced Aerospace Communications

Description: Interdisciplinary area of study drawing from previous knowledge and experience in effective management and leadership communication to meet the unique demands of the field of aviation. A broad range of academic disciplines and technical experience guiding aviation professionals in the refinement of personal, team and organizational communications.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5553 Aerospace Proposal and Procurement

Description: Analysis of aerospace proposal writing and federal grant development including the basics of government acquisition and procurement.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5563 Aerospace Leadership and Management

Description: Introductory course on leadership and management issues in the highly volatile aerospace environment. Introduction to management and leadership theory of the past, and exploration of the aviation environment of the future.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5573 Aerospace Defense Acquisition

Description: Analysis of the Department of Defense (DoD) acquisition process, including the basics of acquisition management and the life cycle of a defense contract from inception to disposal. Phases of acquisition include: concept exploration, development, production, fielding and deployment.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5593 Influencing Public Policy in the Aerospace Industry

Description: The aerospace legislative process, researching draft legislation, tracking state and federal legislation, communicating with legislators identifying the fiscal impact and benefits.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5663 Issues in the Airline/Aerospace Industry

Description: The components, participants, activities, characteristics, scope and economic significance of the air carrier industry and its major segments. The effects of regulation, competition, marketing, manufacturing and environmental control.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5720 Current Issues in Aerospace Education

Prerequisites: Consent of instructor.

Description: Current issues in aerospace education. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Educ Found Leadersh & Aviation

AVED 5773 Historical Significance of Aviation

Description: Humankind's attempt to conquer the skies from the earliest accomplishments in aviation to the aircraft of tomorrow. Profiles the way people, technology, and events have shaped the modern world of aviation.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5783 History of Human Space Flight

Description: A historical view of human space flight starting in the 1950s with the Space Race to the early 2010s when the Space Shuttle was retired. Topics span the start of the Space Race, JFK's charge to put a human on the Moon, the Mercury, Gemini, and Apollo programs, space stations (with a focus on the International Space Station), and the Space Shuttle program. Emphasis will be placed on an examination of the people and technological advancements involved in space flight.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5793 Future of Space Flight

Description: An examination of NASA's and other space agencies' plans for future space flight, including both human missions and robotic missions. Includes an overview of commercial space flight, its beginnings and current endeavors, as well as theoretical examination of the logistical issues regarding the colonization of the Moon, Mars, or other planetary bodies. Emphasis will be placed on an examination of the people and technological advancements needed for future space flights.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5813 Earth Observation Systems

Prerequisites: GEOG 4333.

Description: A study of systems orbiting earth that collect data on the land and atmosphere.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5823 Space Science

Description: A study of the sun, inner and outer planets, asteroid belt, space probe exploration, orbital mechanics and missions.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 5850 Directed Readings in Aerospace Education**Prerequisites:** Consent of instructor.**Description:** Directed studies in aerospace education. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.**Credit hours:** 1-3**Contact hours:** Contact: 1-3 Other: 1-3**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**AVED 5883 Aviation Economics****Description:** The economic significance of the air carrier industry and its major segments. The effects of regulation, competition, schedules, marketing and environmental control.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 5893 Aerospace Executive Decision Making****Description:** Application of concepts and lessons of executive decision leadership within the context of the aerospace environment. Utilization of problem solving skills and leadership lessons of the 21st century aerospace leader.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 5910 Practicum in Aerospace Education****Prerequisites:** Consent of instructor.**Description:** Directed observation and supervised clinical experiences in aerospace education. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.**Credit hours:** 1-3**Contact hours:** Contact: 1-3 Other: 1-3**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**AVED 5953 Labor Relations in Aviation and Aerospace****Description:** Labor laws, regulations, and labor-management relations in the U.S. aviation and aerospace industry, underlying the air carriers, public airport infrastructure, and related government employers.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 5963 Airport Operations****Prerequisites:** Graduate standing.**Description:** Extensive overview of airport operations. Familiarity with the regulatory history of air transportation, airports, the Federal Aviation Administration, and the Transportation Security Agency. Introduction to a wide variety of organizational structures found at U.S. airports.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 5973 Aerospace Law****Description:** Study of the legal system as it relates to aerospace law and governance of the aviation industry. Previously offered as AVED 4973.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 5993 Ethics in Aviation****Description:** Learning how to protect vital interests and maintain ethical control in highly regulated environments.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 6000 Doctoral Thesis****Description:** Required of all candidates for the EdD in applied educational studies. Credit awarded upon completion of the thesis. Offered for variable credit, 1-15 credit hours, maximum of 15 credit hours.**Credit hours:** 1-15**Contact hours:** Contact: 1-15 Other: 1-15**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Educ Found Leadersh & Aviation**AVED 6103 Doctoral Seminar in Aerospace Education****Description:** Individual research problems in aerospace education.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 6203 Aviation Physiology****Prerequisites:** AVED 5203 or equivalent.**Description:** The study of the complexities of pilot performance as it relates to human physiology, human factors and aviation safety.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 6303 The Application of Qualitative Methods in Aviation Research****Description:** An examination of the application of qualitative research methodologies and associated field work with an emphasis in aviation and aerospace.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation**AVED 6313 Administration of Aviation Institutions****Description:** A study of the organization and administration of public and private aviation institutions. Study of the impact of economic and governmental system on these institutions.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Educ Found Leadersh & Aviation

AVED 6413 Development of Air and Space Flight

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6423 Certification of Airplanes

Description: A study of the practices and research involved in the certification of airplanes.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6443 Certification of Rotorcraft

Description: A study of the practices and research involved in the certification of rotorcraft.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6553 Foundations of Airline Executive Leadership

Description: History of airline leaders who had a significant impact on the U.S. air transportation industry.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6613 Aviation Executive Development

Description: A study of the styles of aviation executives in private and public aviation organizations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6773 Applied Aviation and Space Research

Prerequisites: Consent of instructor and approval of student's advisory committee.

Description: Action research topics in aviation and space identified by the aerospace industry with emphasis upon publications in aviation and space refereed journals and trade publications. Previously offered as AVED 6774.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6883 Doctoral Internship in Aviation and Space

Prerequisites: Consent and approval of student's advisory committee.

Description: Directed field experiences in aerospace education for doctoral students. Previously offered as AVED 6880.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6943 Aviation Regulatory Law

Description: A study of the practical application and research of the FAA regulatory process and associated case law.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation

AVED 6963 Advanced Aircraft Accident Investigation

Prerequisites: AVED 4943.

Description: Application and practice of the different statutes, regulations, and regulatory agency requirements that influence aircraft accident investigations.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Educ Found Leadersh & Aviation