## Aviation Management - AVMG

### Courses

**AVMG 1010 INTRODUCTION TO AVIATION (2)** LEC. 2. Orientation to aviation management career opportunities. The history of significant events and accomplishments in the attempt to move through the air and space.

**AVMG 3050 SEVERE AND HAZARDOUS WEATHER DISRUPTIONS (3)** LEC. 3. Pr. AVMG 1010. Meteorology as it applies to the operation of aircraft with emphasis on observation of weather elements and interpretation of flight planning weather information.

**AVMG 3140 PERFORMANCE EVALUATION AND MEASUREMENT (3)** LEC. 3. Pr. AVMG 1010. Introduction to the use of operations research techniques. Includes the role of math modeling procedures, manual and computer generated solutions, applied to the decision-making process. Credit will not be given for both AVMG 3140 and SCMN 4700.

**AVMG 3200 APPLIED ANALYSIS IN TRANSPORTATION (3)** LEC. 3. Pr. AVMG 1010. Development of principles required in economic analysis.

**AVMG 4040 BUSINESS AVIATION MANAGEMENT (2)** LEC. 2. Pr. AVMG 1010 and SCMN 3720. Current principles and practices in commercial and business/corporate flight operations including organizational sources of revenue, functions, operation and typical problems.

**AVMG 4060 TRANSPORTATION SAFETY MANAGEMENT (3)** LEC. 3. Pr. AVMG 3050. Analysis and insight into the sequence of circumstances that can occur and cause an aircraft accident to happen as well as the techniques, processes and limitations in determining aircraft accident causation.

**AVMG 4080 AIR TRANSPORT PLANNING (3)** LEC. 3. Pr. AVMG 5090. Management decision making involved in selection of equipment, routes and the establishment of rates by certified and non-certified air carriers.

**AVMG 4130 AIRPORT MANAGEMENT (3)** LEC. 3. Pr. AVMG 3050. Practices in management of a civil public airport, including organization, functions, operations, sources of revenue, funding, maintenance and administration.

**AVMG 4140 AIRPORT PLANNING AND DESIGN (3)** LEC. 3. Pr. AVMG 4130. Principles and procedures pertaining to planning airport facilities required to meet the immediate and future air transportation of a community or region.

**AVMG 4190 AIR SPACE MANAGEMENT (3)** LEC. 3. Pr. AVMG 3050. Air traffic control procedures, facilities, center, and operations. Theory of radar operation and air traffic separation using computer-based ATC radar simulators. Special fee.

**AVMG 4200 AIR CARGO OPERATIONS (3)** LEC. 3. Domestic and international air cargo operations with emphasis on cargo economics, equipment, domestic and international regulatory activities, agents, operational techniques, systems and problems.

**AVMG 4810 PROFESSIONAL DEVELOPMENT IN AVIATION (1)** LEC. 1. SU. Pr., Junior Standing. This course examines various aviation profession issues and strategies. This course includes career planning, professional development and certifications, educational initiatives for continued professional development, and career management strategies. Credit will not be given for both SCMN 3810 and AVMG 4810.

**AVMG 4920 INTERNSHIP IN AVIATION MNGT (1-6)** INT. Practical on-the-job training under supervision with aviation agencies. Written reports are required by designated faculty supervisors. Course may be repeated for a maximum of 6 credit hours.

**AVMG 4967 HONORS SPECIAL PROBLEMS (1-3)** LEC. Pr. Honors College 2.2 cumulative GPA or College of Business Academic Excellence Initiative requirements.

**AVMG 4997 HONORS THESIS (1-3)** IND. Pr. Honors College

**AVMG 5090 AVIATION LAW AND POLICY (3)** LEC. 3. Pr. AVMG 1010. The legal structure of aviation including federal, local and state statutes, contracts, insurance and liability, regulatory statutes and case law.

**AVMG 5170 AIRLINE MANAGEMENT (3)** LEC. 3. Pr. AVMG 1010 and AVMG 3050 and (SCMN 3150 or SCMN 3153) and SCMN 3720. Airline manufacturing, economic, and operational/managerial issues, research and development and competition issues and a survey of the world’s major airlines in terms of their management strategies and style.
AVMG 5180 GLOBAL AIR TRANSPORTATION MANAGEMENT (3) LEC. 3. Pr. AVMG 3140 and AVMG 3200. and Junior standing. International foreign air carriers, influences of ICAO and IATA, national ownership, determinants of power, operational and management practices, routes and fares.

AVMG 5970 SPECIAL TOPICS AVIATION MNGT (1-4) LEC. Investigation of current issues in the aviation industry. Course may be repeated for a maximum of 4 credit hours.

AVMG 6090/6096 AVIATION LAW AND POLICY (3) LEC. 3. Departmental approval. The legal structure of aviation including federal, local, and state statutes, contracts, insurance and liability, regulatory statutes and case law.

AVMG 6170/6176 AIRLINE MANAGEMENT (3) LEC. 3. Departmental approval. Airline manufacturing, economic, and operation/managerial issues, research and development and competition issues and a survey of the world's major airlines in terms of their management strategies and style.

AVMG 6180/6186 GLOBAL AIR TRANSPORTATION MANAGEMENT (3) LEC. 3. Pr. AVMG 3140 and AVMG 3200 or departmental approval. International foreign air carriers, influences of ICAO and IATA, national ownership, determinants of power, operational and management practices, routes and fares/ Junior standing

AVMG 6970/6976 SPECIAL TOPICS AVIATION MNGT (1-3) LEC. 1-3. Departmental approval. Investigation of current issues in the aviation industry. Credit will not be given for both AVMG 5970 and AVMG 6970. Course may be repeated for a maximum of 9 credit hours.

AVMG 7930/7936 SPECIAL PROBS IN AVIATION MNGT (1-3) LEC. 1-3. Departmental approval. Special problems and current status of the aviation and aerospace industries are analyzed through a problem solving exercise. Course may be repeated for a maximum of 6 credit hours.