Flight Education - AVMF

Courses

AVMF 2141 FLIGHT ORIENTATION (1) LAB. 2. Pr. 2.25 GPA Basic flight experience for non-pilots to familiarize aviation majors, engineers, teachers, and other students desiring a limited exposure to flight. Includes ground discussion and aircraft time. Special fee.


AVMF 2171 PRIVATE PILOT FLIGHT TRAINING I (1) LAB. 3. Dual and solo flight instruction and discussion to prepare for FAA Private Pilot Certificate. Special fee.

AVMF 2181 PRIVATE PILOT FLIGHT TRNG II (1) LAB. 3. Departmental approval. Continuation of dual and solo flight instruction and discussion to prepare for FAA Private Pilot Certificate. Special fee.

AVMF 2230 PRIN OF INSTRUMENT FLIGHT (3) LEC. 3. Instruments, FAA regulations, air traffic procedures, radio navigation and aircraft operation and performances as applied to instrument flying. Preparation for the FAA Instrument Pilot written examinations. Special fee.

AVMF 2241 INSTRUMENT FLIGHT TRAINING I (1) LAB. 3. Instruments, FAA regulations, air traffic control procedures, radio navigation and aircraft operation and performances as applied to instrument flying. Preparation for the FAA Instrument Pilot written examination. Special fees. Private Pilot Certificate.

AVMF 2250 COMM FLIGHT PROBLEMS (3) LEC. 3. Pr. AVMF 2171. FAA regulations, high altitude operations aerodynamics, commercial flight maneuvers, environmental, ice control, retractable landing gear and aircraft performances as applied to commercial flying. Preparation for the FAA Commercial Pilot knowledge examination. Special fee. Private Pilot Certificate.

AVMF 2251 INSTRUMENT FLIGHT TRAINING II (1) LAB. 3. Departmental approval. Continuation of Instruments, FAA regulations, air traffic control procedures, radio navigation and aircraft operation and performances as applied to instrument flying. Preparation for the FAA Instrument Pilot written examination. Special fee.

AVMF 2261 COMM FLIGHT TRAINING II (1) LAB. 3. Departmental approval. Flight training toward the Commercial Pilot Certificate. Special fee.

AVMF 2271 COMM FLIGHT TRAIN III (1) LAB. 3. Pr. AVMF 2261. Continuation of flight training towards the Commercial Pilot Certificate. Emphasis on advanced commercial maneuvers, complex airplane systems and cross country flying. Special fee.


AVMF 4290 FLIGHT INSTRUCTION TRNG I (2) LEC. 2. Pr. AVMF 4280. Continuation of principles of teaching as applied to instructing and evaluating flight students. Emphasis is on preparation for the FAA Fundamentals of Instruction and the Flight Instructor-Airplane Knowledge Examinations.

AVMF 4291 PRIN OF FLIGHT INSTRUCT II (1) LAB. 3. Pr. AVMF 4281. Continuation of discussion, instruction, and arranged practice in flight instruction in preparation for the FAA Flight Instructor Certificate. Special fee.

AVMF 4331 TRANSPORT AIRCRAFT FLIGHT TRAINING (1) LAB. 2. Departmental approval. Includes instrument and night instruction, emergency procedures and actual air transportation operations. Preparation for the Airline Transport Pilot Certification, if otherwise qualified. Special fees.

AVMF 4351 INSTRUMENT FLIGHT INSTRUCTOR TRAINING (1) LAB. 2. Pr. AVMF 4280 and AVMF 4291. Departmental approval. Discussion, instruction, and arranged practice in instrument flight instruction in preparation for the FAA Instrument Instructor Certificate. Special fees. Or CFI.


AVMF 4400 APPLIED AERODYNAMICS AND PROPULSION SYSTEMS (3) LEC. 3. Pr. PHYS 1000 or PHYS 1007. and Private Pilot Certification, or Departmental approval. The principles of aerodynamics and propulsion and how aerodynamic factors affecting lift, thrust, drag, in-air performance, stability and flight control. The aircraft design process is covered from concept to test flight.