

GUIDE TO THE EVALUATION OF EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES

COURSE EXHIBIT

[Back to Results](#) [Print Page](#)**AR-1704-0300 v1****Title:** SMALL UNMANNED AERIAL VEHICLE (RAVEN) OPERATOR**Course Number:** 4D-F8/600-F19 (P); 4D-F8/600-F19.**Location:** Infantry School, Fort Benning, GA.**Length:** 2 weeks (83 hours).**Exhibit Dates:** 4/06–10/18.

Learning Outcomes: Upon completion of the course, the student will be able to plan, brief, conduct, and analyze air reconnaissance and surveillance missions flown by the small unmanned aerial vehicle; interpret weather reports; and demonstrate knowledge of airspace limitations, aircraft performance, and vehicle systems.

Instruction: Audiovisual materials, practical exercises, discussion, learner presentations, classroom exercises, laboratory (flight simulator), and lecture. General course topics include mission planning; crew briefing; flight simulators; basic aeronautics; basic navigation; preflight checks; flight operations; post flight procedures; and operator maintenance.

Related Competencies: *General aeronautics* topics include accident prevention, aircraft types, communications, mission planning, and weather patterns. *Flight theory* topics include aerodynamics, aircraft performance, airspace limitations, and night operations. *Fundamentals of aeronautical navigation* topics include bearings and coordinate plotting, dead reckoning, emergency procedures, global positioning systems, latitude/longitude computations, map reading, and terrain analysis. *Computer systems* topics include flight simulator, hand-held controller, multi-display screens, systems monitoring, and troubleshooting procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in general aeronautics, 3 in flight theory, and 2 in fundamentals of aeronautical navigation. In the upper-division baccalaureate degree category, 3 semester hours in computer systems (10/08)(10/09).

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ACE course reviews are conducted by faculty currently teaching at appropriately accredited colleges and universities. Faculty teams analyze the course's instructor materials, student materials, and assessments to determine if the content, scope, and rigor align to current postsecondary curricula. A minimum of 3 faculty evaluators must achieve consensus on credit recommendations. Please see [Faculty Evaluators - Home Page](#) for more information.

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