



Aviation Accident Investigation

AVIATN 3400

Credit Hours:

3.00 - 3.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

Review of accident investigation techniques and methodologies that will be reinforced with case examples.

Prerequisites and Co-requisites:

Prereq: 2000 and 2100.

Course Goals / Objectives:

- To examine the legal requirements for both domestic and international investigations.
 - To examine the procedures in place for accident scene safety and protection for accident investigators.
 - To gain a better understanding of the methodology of on-scene accident investigation and the technologies employed during these investigations.
 - To examine closer how investigative results and findings translate into understanding accident causation and hence the development of industry recommendations including those that become regulations.
 - To examine in detail numerous accidents in depth allowing the practical application of material covering in either a classroom and/or field environment.
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Course Topics:

- United States Investigations International Investigations
 - Field Investigations Wreckage Distribution
 - Accident Photography Accident Diagrams
 - Crash Survivability
 - Tires and Runway Accidents Mid-Air Collisions Aircraft Recorders
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Designation:

Elective