



Introduction to Flight Operations

AVIATN 2150

Credit Hours:

3.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

An introduction to the study of flight operations through regulations, flight fundamentals, instrument navigation through weather, and instrument approaches.

Course Goals / Objectives:

- To develop the student's knowledge of the fundamentals of flight.
- To introduce the regulatory framework and procedures used in the national airspace system.
- To introduce aircraft instrument systems and their use in instrument approaches.

Course Topics:

- Introduction, FAA Regulatory Framework
 - Basic Parts of the Airplane
 - Principles of Flight
 - Aerodynamics
 - Flight Controls
 - Air Traffic Control System
 - IFR vs. VFR
 - Flight Instruments
 - Basic Navigation: GPS and VHF
 - Weather Theory
 - Severe Weather
 - IFR
 - Instrument Approaches
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Designation:

Required