



# Commercial Flight Fundamentals

## AVIATN 4100

**Credit Hours:**

3.00 - 3.00

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**Course Levels:**

Undergraduate (1000-5000 level)

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**Course Components:**

Lecture

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**Course Description:**

Study of regulations, aerodynamics, systems, performance profiles, navigation, weather, and operations for the commercial pilot certificate.

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**Prerequisites and Co-requisites:**

Prereq: A grade of B- or above in Aviatn 2100, 2102, and 3101; or permission of instructor.

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**Course Goals / Objectives:**

- Demonstrate knowledge and application of commercial flight operations and dynamics, including related regulations, aerodynamics, weight and balance, performance, maneuvers, and navigation
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**Course Topics:**

- Federal Aviation Regulations
  - Aerodynamics, weight and balance, performance
  - Aircraft systems and particular operations
  - Pilot Decision Making Process. Aeronautical Decision Making.
  - Navigation, weather, and airspace
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**Designation:**

Elective