THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Aircraft Dispatch Fundamentals

AVIATN 4200

Credit Hours:
3.00 - 3.00

Course Levels:
Undergraduate (1000-5000 level)

Course Components:
Lecture

Course Description:
Aircraft Dispatch Fundamentals is the first in a two course sequence of Aircraft Dispatch oriented courses that lead to FAA Aircraft Dispatch Certification. This course provides an overview of aerodynamics, navigation, weather theory and forecasting, and flight planning. Small general aviation aircraft are used as examples in the course.

Prerequisites and Co-requisites:
Prereq: 2100, 2300, and permission of instructor.

Course Goals / Objectives:
- Understand the role of an Aircraft Dispatcher
- Develop an understanding of the applicable regulations, weather information, navigation, performance, and decision making needed in order to dispatch an aircraft.
- Develop proficiency in planning a basic flight plan using a transport category aircraft.

Course Topics:
- Regulations, FAR 1-91, 110-121.465, 121.470-121.697
- Airplane Operator, Security and NTSB, General Operation Manual
- Weather Theory, METAR, TAF, Airmet, etc. Weather theory principles for aircraft dispatchers.
- Airspace classifications
- Navigation
- Systems Overview (Bombardier Training)
- Advanced Performance

Designation:
Elective