

# COURSE DETAIL

## FLIGHT DYNAMICS

**Country**

United Kingdom - England

**Host Institution**

University of Manchester

**Program(s)**

English Universities, University of Manchester

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mechanical Engineering

**UCEAP Course Number**

123

**UCEAP Course Suffix****UCEAP Official Title**

FLIGHT DYNAMICS

**UCEAP Transcript Title**

FLIGHT DYNAMICS

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

**Course Description**

This course explores the dynamic stability and control of aircraft, especially the dynamic response of aircraft to atmospheric disturbances and pilot control input. It provides the necessary ground-work to understand the principles of flight dynamics, which are essential in the design of aircraft. Students examine the principles of flight dynamics and develop skills in the analysis and evaluation of the stability and control characteristics of aircraft.

**Language(s) of Instruction**

English

**Host Institution Course Number**

MACE32202

**Host Institution Course Title**

FLIGHT DYNAMICS

**Host Institution Campus**

University of Manchester

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Mechanical, Aerospace and Civil Engineering

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