



CANADIAN AERONAUTICS AND SPACE INSTITUTE
Toronto Branch
&
Ryerson Student Branch
Aircraft Design Course

Aircraft Design Course

Daniel Campos

(Course Instructor, Flight Dynamics Engineering Specialist, Bombardier)



The CASI Toronto Aircraft Design Course aims to provide university aerospace engineering students exposure to practical aspects of aircraft design.

An aircraft is a particular combination of wing, fuselage, empennage and power plant. Conceptual design focuses on the best way to integrate these components to best fulfill the design requirements. The initial aircraft layout depends upon factors related to the mission role, the economic efficiency, the operational and functional requirements, the safety and reliability of the vehicle, the type of propulsion system, etc. The course will be focusing on how the conceptual designer can maximize the synergy in the global system and the multi-disciplinary nature of aircraft design.

The course is structured in an intensive format, spanning two Saturdays to cover three modules related to aircraft design with real life and practical examples. Throughout the course, a case study is offered to enhance students' learning experience and engage students' participation.

Course Instructor: **Daniel Campos, Flight Dynamics Engineering Specialist, Bombardier**

Daniel has over 10 years of aerospace product development experiences in various commercial and business jet programs, including Legacy 500, E170/E190, ERJ145, C Series, Global 7000, Global 6000, and Q400. He is highly capable in multiple functional areas such as aircraft design, stability & control, fly-by-wire, flight and vehicle dynamics/simulation, as well as fuel pump development. Daniel is also experienced in managing professional development programs to develop the training curriculum for engineering professionals. He holds both Master and Bachelor in Engineering as well as a Certificate of Business Administration. He was Past Chairman of Kaizen workshop for Full Flight Simulator.

Date: Part 1 Saturday October 28, 2017
Part 2 Saturday November 4, 2017

Time: 9:00am to 5:30pm

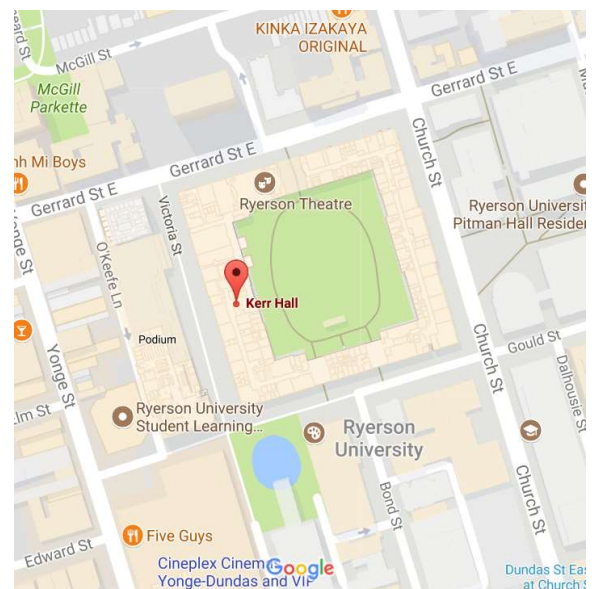
Refreshments and lunch are provided

Place: Ryerson University
Kerr Hall East (KHE 321A)
350 Victoria Street
Toronto, ON M5B 2K3

Registration:

<https://www.eventbrite.ca/e/casi-toronto-aircraft-design-course-tickets-38241932650>

Fees: CASI Member: \$70
Non-CASI Member Early Bird: \$80
Non-CASI Member: \$90



For more information, please contact:
email casi@ryerson.ca
Facebook (search "CASI Toronto")