

# HONOR CODE CERTIFICATE



**David Darmofal**

Professor, Department of Aeronautics and Astronautics  
*Massachusetts Institute of Technology*

**Sanjay Sarma**

Director of Digital Learning  
*Massachusetts Institute of Technology*

# Ryan MacDonald

successfully completed and received a passing grade in

**16.101x: Introduction to Aerodynamics**

a course of study offered by MITx, an online learning  
initiative of The Massachusetts Institute of Technology through edX.

HONOR CODE CERTIFICATE  
Issued January 24th, 2014

Verify the authenticity of this certificate at  
<https://verify.edx.org/cert/23d60201fd2d4200b5b1ba2698c4be07>