Experimental Fluid Mechanics
ASEN-6519-002
Fall Semester 2018

Syllabus

Time: Tue. & Thurs. 2:00pm-3:15pm

Location: DUAN G2B21 and CU Research Wind Tunnel Laboratory (East Campus)

Instructor:

Assistant Professor John Farnsworth
O ce: ECNT 118
Phone: (303)735-7287
Email: john.farnsworth@colorado.edu
O ce Hours: Wed. 1pm - 3:00pm

Website:

Canvas (https://canvas.colorado.edu)

Objective: To establish a fundamental understanding of the theory and practice of performing experimental measurements in ”uid mechanics.

Description: This course presents an intermediate level introduction into the theory and practice of performing experimental measurements in ”uid mechanics. The fundamental principles and de“nitions associated with instrumentation, measurement procedures, data analysis, and uncertainty quanti“cation will be discussed. A speci“c focus will be placed on the application of a variety of measurement techniques in low-speed aerodynamic environments. A selection of m(3eAin.7(87n.7s5šÁƒï TJ T* -.0041 Tc [(an)-10.1(d)-483.1(t)-1.1(em)-7.1(p)-43.1(e)-.1(r)-9.1(a).9(tu)-10.
thermodynamics, and aerodynamics are recommended for this course. A basic background in optics, simple electronics, system dynamics, and signal processing will also be bene“cial.

on the Disability Services website.

Classroom and On-Campus Behavior: Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially

Schedule (Tentative)

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1	Aug. 28 & 30			