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This book discusses thermofluids in the context of thermodynamics, single- and two-phase flow, as well as heat transfer associated with single- and two-phase flows. Traditionally, the field of thermal sciences is taught in universities by requiring students to study engineering thermodynamics, fluid mechanics, and heat transfer, in that order.

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Mahmoud Massoud Engineering Thermofluids Thermodynamics, Fluid Mechanics, and Heat Transfer Mahmoud Massoud Engineering Thermofluids Thermodynamics, Fluid Mechanics, and Heat Transfer With 345 Figures and 13 Tables Dr. Mahmoud Massoud University of Maryland Department Mechanical Engineering 20742 College Park, MD USA [email protected]

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Chapter 3 Thermofluid Engineering Basics Authors Johannes Sattler1 Julian Eckstein 1 Daniel Norton 1

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### **Engineering Thermofluids - Thermodynamics, Fluid Mechanics**

Thermofluids is a branch of science and engineering encompassing four intersecting fields: Heat transfer; Thermodynamics; Fluid mechanics; Combustion; The term is a combination of "thermo", referring to heat, and "fluids", which refers to liquids, gases and vapors.

### **Thermal fluids - Wikipedia**

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