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Lecture Series on Basic Thermodynamics by Prof.S.K. Som, Department of Mechanical Engineering, IIT Kharagpur.

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Basic Engineering Thermodynamics by Vijayaragavan. REFERENCE BOOKS. Yadav R., "Thermodynamics and Heat Engines", Vol 1, Central Publishing House (1995) Jones J.B and Dugan R.E., "Engineering Thermodynamics", Prentice Hall of India (1998) Roy Choudry T., "Basic Engineering Thermodynamics", Second Edition, Tata McGraw Hill (2000)

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#### **Lec-1 Introduction and Fundamental Concepts**

BASIC CONCEPTS OF THERMODYNAMICS 1.1 Introduction Thermodynamics is a branch of science that deals with energy in all its forms and the laws governing the transformation of energy from one form to another. Since, there are many forms of energy such as mechanical, thermal or heat, chemical, electrical, etc..

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### What is the basic technical knowledge a mechanical ...

M. Bahrami ENSC 388 (F 09) Intro and Basic Concepts 7 Mechanical equilibrium: when there is no change in pressure at any point of the system. However, the pressure may vary within the system due to gravitational effects.

# Intro and Basic Concepts - SFU.ca

The objective of this course is to provide comprehensive enlightenment of basic concepts of thermodynamics. Any person who is pursuing mechanical engineering, aspiring to write IES examination or Graduate Aptitude Test in Engineering (GATE), and also those who have opted mechanical as an optional subject in civil service examinations, this course will benefit them.

# Understanding The Basics Of Thermodynamics (Part 1 ...

BASIC and APPLIED THERMODYNAMICS by P. K. Nag is one of the best book for Mechanical Engineers for any competitive exam like GATE, ISRO, UPSC etc. Since This subject is one of the interesting subject the book should cover all the basic concept along with their illustration this book covers that. so download the book and enjoy.

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