Indian Institute of Technology Kanpur Department of Mechanical Engineering

Thermodynamics (ESO201A)

Semester: 2022-23-I

Lecture: M W F 10:00 AM -10:50 AM L-7

Tutorial: Th 10:00 AM -10:50 AM T103-T112, L-3

Instructor: Dr. P.S. Ghoshdastidar (ME Dept.)

Office: FB358

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Syllabus: Definitions and Concepts. Properties of Pure Substances. First Law of Thermodynamics and its Consequences. First Law Application to Chemically Reacting Systems. Second Law of Thermodynamics and its Applications. Thermodynamic Property Relations. Power Cycles. Refrigeration Cycles.

Textbook: Yunus A. Cengel and Michael A. Boles, Thermodynamics, 7th Edition, McGraw-Hill, New York, 2011.

Availability of Course Materials: On HelloIITK Courses or over e-mail.

Grading: Mid Sem Exam (2 hours): 30%

End Sem Exam (3 hours): 45%

Quizzes of 30-min duration each (1 & 2): 15%

Attendance in Tutorials: 10%

Schedule of Quiz#1: 25.8.22 (Thursday), Time: 10:15 AM - 10:45 AM, Venue: Tutorial Block.

Schedule of Quiz#2: 3.11.22 (Thursday), Time: 10:15 AM - 10:45 AM, Venue: Tutorial Block.

Tutors' List and Tutorial Room Numbers

Name of the Tutor	Room No. for the Tutorial/Section
Mr. Keesanth Singh C (AE Dept.)	T103 (Section E1)
(keesanth@iitk.ac.in)	
Mr. Ranjay Kumar Singh (AE Dept.)	T104 (Section E2)
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Mr. Abhishek Kumar Gupta (ME Dept.)	T112 (Section E10)
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Dr. (Ms.) Madhusree Kole (ME Dept.)	L-3 (Section E11)
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Have a nice semester