

PROFESSOR'S NAME	Dr. A. Kushari
DEPARTMENT	Department of Aerospace Engineering
INSTITUTE	Indian Institute of Technology Kanpur
COURSE OUTLINE	Principles of Rocket Propulsion. Launch Vehicle Dynamics. Chemical Rockets. Nozzles. Electric Propulsion.

COURSE DETAILS

S. No	Module ID/ Lecture ID	Lecture Title/Topic
1.	L1	Jet and Rocket Propulsion - I
2.	L2	Jet and Rocket Propulsion - II
3.	L3	Jet and Rocket Propulsion - III
4.	L4	Jet and Rocket Propulsion - IV
5.	L5	Jet and Rocket Propulsion -V
6.	L6	Jet and Rocket Propulsion -VI
7.	L7	Jet and Rocket Propulsion - VII
8.	L8	Jet and Rocket Propulsion - VIII
9.	L9	Jet and Rocket Propulsion - IX
10.	L10	Jet and Rocket Propulsion - X
11.	L11	Jet and Rocket Propulsion - XI
12.	L12	Jet and Rocket Propulsion - XII
13.	L13	Jet and Rocket Propulsion - XIII

14.	L14	Jet and Rocket Propulsion - XIV
15.	L15	Jet and Rocket Propulsion - XV
16.	L16	Jet and Rocket Propulsion - XVI
17.	L17	Jet and Rocket Propulsion - XVII
18.	L18	Jet and Rocket Propulsion - XVIII
19.	L19	Jet and Rocket Propulsion - XIX
20.	L20	Jet and Rocket Propulsion - XX
21.	L21	Jet and Rocket Propulsion - XXI
22.	L22	Jet and Rocket Propulsion - XXII
23.	L23	Jet and Rocket Propulsion - XXIII
24.	L24	Jet and Rocket Propulsion - XXIV
25.	L25	Jet and Rocket Propulsion - XXV
26.	L26	Jet and Rocket Propulsion - XXVI
27.	L27	Jet and Rocket Propulsion - XXVII
28.	L28	Jet and Rocket Propulsion - XXVIII
29.	L29	Jet and Rocket Propulsion - XXIX
30.	L30	Jet and Rocket Propulsion - XXX
31.	L31	Jet and Rocket Propulsion - XXXI
32.	L32	Jet and Rocket Propulsion - XXXII
33.	L33	Jet and Rocket Propulsion - XXXIII
34.	L34	Jet and Rocket Propulsion - XXXIV
35.	L35	Jet and Rocket Propulsion - XXXV
36.	L36	Jet and Rocket Propulsion - XXXVI
37.	L37	Jet and Rocket Propulsion - XXXVII
38.	L38	Jet and Rocket Propulsion - XXXVIII
39.	L39	Jet and Rocket Propulsion - XXXIX
40.	L40	Jet and Rocket Propulsion - XXXX

List of reference material/ books:

Mechanics and Thermodynamics of Propulsion, P. Hill and C. Peterson, Addison-Wesley Publishing Company.

Rocket and Spacecraft Propulsion, M. J. L. Turner, Springer Praxis Publishing.

Propulsion Techniques, P. J. Turchi, Ed., AIAA Book Series.

Rocket Propulsion Elements, G. P. Sutton and D. M. Ross.

Name and contact details of two referees for the course: