

Department: Mechanical Engineering; Term: Autumn Semester, 2020

Name of the Programme: M.Tech in Mechanical Engineering (Specialization: Machine Design)

Course title: Advanced Solid Mechanics; Course Code: ME501; L-T-P-Cr: 3-1-0-4

Sl. No.	Course module	Delivery mode	URL link of content	Duration (Minutes)	No. of participants
	Course Plan		https://drive.google.com/file/d/1FIE9frngAlNsdYKBMjp1oNWj1yVGyDQ/view?usp=sharing	NA	14
1	Analysis of stress	Live lecture - 1	https://drive.google.com/file/d/1V_AwV3PxmFjDeJWRHFZ_ucFCb_HDZgy/view?usp=sharing	45	14
2		Live lecture - 2	https://drive.google.com/file/d/170B1s5FIEksQXokHI6dD_SSjqI_G8wpZ/view?usp=sharing	55	14
3		Live lecture - 3	https://drive.google.com/file/d/1GLaY_-i2LlgZ48KZ5_nUMdw5b7z-oOfJ/view?usp=sharing	40	14
4		Live lecture - 4	https://drive.google.com/file/d/1CRPBPsHrKChR2R9BKdN40NI-Kg18eAPs/view?usp=sharing	59	14
5		Live lecture - 5	https://drive.google.com/file/d/1IACa_4H_PXLhr4OYAqXw43bMa1HZ3uLr/view?usp=sharing	44	14
6		Tutorial class - 1	https://drive.google.com/file/d/1cghV5Fvi26Sja7az8k9o2GWbX8pVqCJE/view?usp=sharing	50	14
		Class note: Analysis of stress	https://drive.google.com/file/d/1lRONMwOFYHmQ9t9Ck-9Hd_Pb1CRfqpBQ/view?usp=sharing	NA	14
7	Analysis of strain	Live lecture - 1	https://drive.google.com/file/d/1KSVqCJySwCllmWMhsxYOWtnlArMBpIBB/view?usp=sharing	44	14
8		Live lecture - 2	https://drive.google.com/file/d/1-raBF29QC6_91iGA-CthST6z52fTs3Fn/view?usp=sharing	43	14
9		Tutorial class - 1	https://drive.google.com/file/d/1SUzNSX3RPJEkOk4E11MNYl07n8MGUkXw/view?usp=sharing	65	14

		Class note: Analysis of strains	https://drive.google.com/file/d/1AekPGc6SqkU8no1CuRdR62rNnPc0TRfx/view?usp=sharing	NA	14
10	Stress-strain relations for linearly elastic solids	Live lecture - 1	https://drive.google.com/file/d/1Xs6mel26MrLvmVFh2f99_iPwVQor9Nt/view?usp=sharing	55	14
11		Live lecture - 2	https://drive.google.com/file/d/1ihguiVMYzppChE05axFvEOmAahXakfYU/view?usp=sharing	48	14
12		Live lecture - 3	https://drive.google.com/file/d/19heulCYeqYsgqoK2pIBI7CYluUCM31zV/view?usp=sharing	48	14
13	Energy Methods	Live lecture - 1	https://drive.google.com/file/d/1BG2hpk-aFzWw6yvORN08VW-1TSdPKXYx/view?usp=sharing	48	14
14		Live lecture - 2	https://drive.google.com/file/d/1giTJNFXYheKYW179uKAciidIK845TzqC/view?usp=sharing	53	13
15		Tutorial class - 1	https://drive.google.com/file/d/1rSRzSoZKPbR4ZsMUWTEd1ZGAJulsNCC/view?usp=sharing	58	13
		Class note: Energy Methods	https://drive.google.com/file/d/1yN0nIG5FGziPgGzumzuLh9NXdRbwWFAU/view?usp=sharing	NA	12
16	Bending of beams	Live lecture - 1	https://drive.google.com/file/d/15_8eYJeE8PpqVdCt3VKgQt28LsNPwV6s/view?usp=sharing	46	13
17		Live lecture - 2	https://drive.google.com/file/d/1sr8KmPalicOyBgEWVEhXmVTSTjlqQ1/view?usp=sharing	43	13
18		Tutorial class - 1	https://drive.google.com/file/d/1bw1jEJlvnHECFqX0fDdqlI1TjxgDCyIR/view?usp=sharing	53	13
19		Tutorial class - 2	https://drive.google.com/file/d/13gvTzd2yXoSN7UP3DWLVhNBU27lu2mKr/view?usp=sharing	64	13
20		Live lecture - 3	https://drive.google.com/file/d/11IF002-JA1dVYz-fxt6jkSUIZEM1iMCh/view?usp=sharing	42	13
21		Tutorial class - 3	https://drive.google.com/file/d/1LIL1kJyZTs2oiLW6_xj9ngApAlaKJdQ/view?usp=sharing	42	13
22	Axisymmetrically loaded members	Tutorial class - 1	https://drive.google.com/file/d/1Y5d6X_Hv2lrL74c5-koY5D9JXr7ZeWrm/view?usp=sharing	53	13
23		Tutorial class - 2	https://drive.google.com/file/d/1-L3fu78eJnITqn2P8vyTO9NATvHkVW7h/view?usp=sharing	47	13

24		Tutorial class - 3	https://drive.google.com/file/d/1UyqvKLWAhVYIa_TvaKFkZFF50SEbzqPN/view?usp=sharing	39	13
	Softcopy of book: Advanced Solid Mechanics by L S Srinath		https://drive.google.com/file/d/1rgBVFUjDBQZMi8lXoDejaPiclhCzDiwm/view?usp=sharing	NA	12