

Time table

Short term course on Linear Algebra and differential equations

Day/Time	9.30- 11.00	11.15-12.45	12.45-2.30	2.30-4	4.15-5.15
24-08-2018	MRK	PVSNM	L	PVSNM	LAB
25-08-2018	VR	VR	U	VR	LAB
26-08-2018	VR	TRS	N	DD	LAB
27-08-2018	TRS	SRK	C	MRK	LAB
28-08-2018	GPRS	SRK	H	GPRS	LAB

MRK - Dr M Rajesh Kannan(IIT Kharagpur)

PVSNM - Prof PVS Murthy(IIT Kharagpur)

VR- Prof V. Raghavendra(IIT Tirupati, formerly with IIT Kanpur)

TRS- Dr T Raja Sekhar(IIT Kharagpur)

DD- Prof Debasis Deb(IIT Kharagpur)

SRK - Dr Swanand Khare(IIT Kharagpur)

GPRS - Prof G P Raja Sekhar(IIT Kharagpur).

Topics :

MRK - Spectral theorem, Schur triangularization theorem, QR decomposition, Iterative methods for solving linear system of equations.

PVSNM- Initial value problems

VR - Jordan form, Exponential of a matrix, system of ordinary differential equations.

TRS - Introduction to conservation laws

DD - Finite element methods and applications

SRK - Singular value decomposition, Eigenvalue computation.

GPRS - Finite difference methods to parabolic partial differential equations.