

Learning management system (LMS)

Mathematics. (Differential equations).
Semester II.

Unit 1

Differential equations of first order and first degree

<https://youtu.be/K3-3MCn8TmM>

<https://youtu.be/f0fc6BK2GJo>

<https://youtu.be/KhU5czBBBI>

<https://youtu.be/jyD3uKKxI0g>

<https://youtu.be/MwitOvQxfY>

<https://youtu.be/v5C0CtRAK10>

<https://youtu.be/2MWURI-hqcM>

<https://youtu.be/a74YMngw5BQ>

<https://youtu.be/7bqGzVI8mjk>

Unit 2

Differential equations of first order but not of first degree:

<https://youtu.be/oZZNhUCs0CA>

<https://youtu.be/gbsXv7-h22Y>

<https://youtu.be/xQ59ctrKq1A>

<https://youtu.be/IL0MqKPNEqc>

<https://youtu.be/YPNoozonpNE>

<https://youtu.be/FHJN4SNuVWE>

Unit 3

Higher order linear differential equations :

<https://youtu.be/B3Kg3gbCbik>

Unit 4

Method of variation of parameters:

https://youtu.be/b24W5C2Or_M

https://youtu.be/b5io9_bJvEM

<https://youtu.be/ga768cV5Kjc>

Partial differential equations

<https://youtu.be/W92H9H9x9sU>

Learning management system (LMS)

Mathematics. (Differential and integral calculus). Semester I.

Unit 1

Partial differentiation :

https://youtu.be/_98Di71evws

https://youtu.be/FK8yUzr_Yul

<https://youtu.be/qCQQT2P5ojY>

Unit 2

Therom on total differentials :

<https://youtu.be/qCQQT2P5ojY>

<https://youtu.be/mslZz8ydzcM>

<https://youtu.be/r6lDwJZmfGA>

<https://youtu.be/jGwA4hknYp4>

<https://youtu.be/-LpE-qgSz08>

Unit 3

Curvature and evolutes:

<https://youtu.be/ksmZMW28wMg>

https://youtu.be/BSfGK5c_Rzl

<https://youtu.be/VUnyktun6AA>

<https://youtu.be/8gGglNsyJlo>

<https://youtu.be/VaBH0TdPOUo>

<https://youtu.be/NcFH2dxoTtA>

Unit4

Curve tracing:

https://youtu.be/CFB0mMd_0Q8

https://youtube.com/playlist?list=PL_B45iNOiZkmS9WPzj_GbW8iOnF6fyTaX

<https://youtu.be/C4-lDu0qInc>

Mathematics. (Linear ALGEBRA)

Semester V.

Unit 1, unit 2 , unit 3 , unit 4 :

<https://youtube.com/playlist?list=PLyqSpQzTE6M912cneV79Cqsj88E3VBfxt>

Numerical Analysis

Mathematics.

Semester VI

Unit 1

Errors in numerical calculations-solutions of equations in one variable:

<https://youtu.be/5W9CP4JERSM>

<https://youtu.be/fWlbn8c08y8>

https://youtu.be/lgoJV4g_0LM

https://youtu.be/d_EIF3gU2Vk

<https://youtu.be/Cr-U8XYD3g4>

<https://youtu.be/UhBSFueQPAM>

Unit 2

Interpolation and polynomial Approximation:

<https://youtu.be/Lp2MdAvk2MY>

<https://youtu.be/xd7V0OKkEEg>

<https://youtu.be/TPNlg1kD-Zw>

<https://youtu.be/DnfC0IUmu4>

<https://youtu.be/oY1F9QGLdTY>

<https://youtu.be/TPNlg1kD-Zw>

<https://youtu.be/PQ0gDwocDwl>

Unit 3

Cure fitting:

<https://youtu.be/i6ZmA9EEzrl>

<https://youtu.be/F1IZtVJK3qc>

<https://youtu.be/fhRPf93YIEA>

<https://youtu.be/knaVFUT2LsM>

<https://youtu.be/IGQsVZvFlok>

<https://youtu.be/DyOS2BuHL3A>

https://youtu.be/yPNSIhE_FZM

<https://youtu.be/IMqz4GBGJnc>

<https://youtu.be/quoNfERQo7s>

Unit 4

Numerical solutions of ordinary differential equations:

<https://youtube.com/playlist?list=PLhSp9OSVmeyKVpGhYpSMkSkbohXDMrrHO>

**LEARNING MANAGEMENT SYSTEM (LMS)
DEPARTMENT OF MATHEMATICS**

SUBJECT/ PAPER	YEAR /SEM	E-CONTENT
ABSTRACT ALGEBRA	I / I PG	https://drive.google.com/file/d/1oDBXbQwe9K0x2p1XOFjF1c0A2dLl6waT/view?usp=share_link
DISCRETE MATHEMATICS	I / I PG	https://drive.google.com/file/d/1rRq2_vrIANVRkaE_g4N NP-CTI8Xmlu42/view?usp=share_link https://drive.google.com/file/d/1fVvU3-3NpjZijg1Qy8JpccVAqji3tbB/view?usp=share_link
GALOIS THEORY	I / II PG	https://drive.google.com/file/d/1MG3UvAQFc5cyW1ja7_hCyCe7lct1w-L8/view?usp=share_link
COMPLEX ANALYSIS	I/ II PG	https://drive.google.com/file/d/1kDiUdlhxivVcfxrMPGm0kdMrxSaf_Dcu/view?usp=share_link
LINEAR ALGEBRA	II / III PG	https://drive.google.com/file/d/1ujm2laFIQrbMmdMj5FoFg6NziQgMlaam/view?usp=share_link
IE & COV	II / IV PG	https://drive.google.com/file/d/1O-PvgCzNqTi5IfD44xNQwySWJLzDjk31/view?usp=share_link https://drive.google.com/file/d/1KYIVjlcndp6EvhPIVh0gKlk4g_d0001X/view?usp=share_link
THEORY OF EQUATIONS (SEC)	II / III UG	https://drive.google.com/file/d/1ca2WcSc4B7DrCin9qsbNry8zP7E18jJ3/view?usp=share_link
NUMBER THEORY (SEC)	II / IV UG	https://drive.google.com/file/d/13QKn78lYhEdu6xQEVCScYno5VkJuzv5T/view?usp=share_link