

DRONACHARYA
College of Engineering
KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Mathematics-III(MATH-201-F)

Name of Faculty with designation : Pooja Jain (Assistant Professor)

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment	
January	08.01.2018 Monday	IV-CSE-I	I	Introduction to Syllabus. Some trigonometric formulae and Important Integrations. Fourier Series: - Euler's Formulae.	Assignment of 02 Ques. given	
	10.01.2018 Wednesday	IV-CSE-I	I	Fourier expansion of odd and even functions.			
	11.01.2018 Thursday	IV-CSE-I	I	Conditions for a Fourier expansion & Point of Discontinuity.			
	15.01.2018 Monday	IV-CSE-I	I	Change of interval.			
	17.01.2018 Wednesday	IV-CSE-I	I	Half range sine and cosine series.			
	18.01.2018 Thursday	IV-CSE-I	I	Fourier expansion of square wave, rectangular wave, saw toothed wave.			
	22.01.2018 Monday	IV-CSE-I	I	Fourier expansion of half and full rectified wave.			
	24.01.2018 Wednesday	IV-CSE-I	III	Probability Distributions, Conditional probability.			
	25.01.2018 Thursday	IV-CSE-I	III	Baye's theorem and its applications.			
	29.01.2018 Monday	IV-CSE-I	III	Discrete and Continuous Probability Distributions.			
February	01.02.2018 Thursday	IV-CSE-I	III	Binomial Distribution and its properties. Poisson Distribution and its properties.			
	05.02.2018 Monday	IV-CSE-I	III	Normal Distribution, Properties of Normal Distribution			
	07.02.2018 Wednesday	IV-CSE-I	IV	Linear Programming:-Linear Programming problems formulation. Solving linear programming problems using Graphical method.			
	08.02.2018 Thursday	IV-CSE-I	IV	Solving linear programming problems using Simplex method.			
	12th February to 17th February 2018			FIRST SESSIONAL EXAMINATION			
	19.02.2018 Monday	IV-CSE-I	IV	Problem of Degeneracy.			
	21.02.2018 Wednesday	IV-CSE-I	IV	Solving linear programming problems using Dual simplex method.			
	22.02.2018 Thursday	IV-CSE-I	IV	Artificial Variables or Big-M Method.			
	26.02.2018 Monday	IV-CSE-I	II	Functions of Complex Variable: - Definition, Exponential and trigonometric functions.			
	28.02.2018 Wednesday	IV-CSE-I	II	Hyperbolic and Logarithmic functions. Limit and Continuity of a complex function.			

March	05.03.2018 Monday	IV-CSE-I	II	Differentiability and Analyticity of a complex function		
	07.03.2018 Wednesday	IV-CSE-I	II	Cauchy- Riemann equations ,necessary and sufficient conditions for a function to be analytic		
	08.03.2018 Thursday	IV-CSE-I	II	Problems on analytic function.		
	12.03.2018 Monday	IV-CSE-I	II	Polar form of Cauchy-Riemann equations.		
	14.03.2018 Wednesday	IV-CSE-I	II	Harmonic function, application to flow problems. Milne Thomson method.		
	15.03.2018 Thursday	IV-CSE-I	II	Integration of complex function		
	19th March to 24th March 2018			SECOND SESSIONAL EXAMINATION		
	26.03.2018 Monday	IV-CSE-I	II	Cauchy-Integral theorem and formula		
	28.03.2018 Wednesday	IV-CSE-I	III	Power series, radius and circle of convergence of power series.		
April	02.04.2018 Monday	IV-CSE-I	III	Taylor's and Maclaurin's series. Laurent's series of complex functions.		
	04.04.2018 Wednesday	IV-CSE-I	III	Zeros and singularities of complex functions. Residues, Residues theorem		
	05.04.2018 Thursday	IV-CSE-I	III	Evaluation of real integrals using residues around unit circle, semi-circle.		
	09.04.2018 Monday	IV-CSE-I	I	Fourier Transform: - Fourier integral , Fourier transform, Problems of Fourier transform and inverse Fourier transform		
	11.04.2018 Wednesday	IV-CSE-I	I	Properties of Fourier transform, Fourier transform of integrals		
	12.04.2018 Thursday	IV-CSE-I	I	Convolution theorem, Fourier transform of Dirac-delta function.		
	25.04.2018 Wednesday	IV-CSE-I	IV	Testing of a hypothesis ,tests of significance for large samples		
	16th April to 23rd April 2018			Pre-University EXAMINATION		