DON BOSCO INSTITUTE OF TECHONOLGY, KURLA, MUMBAI

Department of BSH, (Even semester, 2016-17)

Course Name:	Applied Mathematics II		
Course Code	FEC201		
Faculty Name:	Dr. Minirani S, Ms. Shirly Chacko, Ms. Pranjalee K, Mr.Sureshkumar		
Year	1	**Sem**	II

CO Number	**Course Outcome**
	The student will be able to
FEC201.1	Describe and identify exact and linear differential equations, standard curves, Beta and Gamma functions and recall the numerical differentiation and integration formulae.
FEC201.2	Explain the applications of differential equations in engineering problems and plot the curves in different coordinate systems.
FEC201.3	Solve problems in ordinary differential equations and integral calculus analytically and numerically, Apply open source software to trace standard curves, solve problems in numerical differentiation and integration.
FEC201.4	Compare the integrals with the equations of Beta and Gamma functions and solve it.

Course Name:	Applied Physics II		
Course Code	FEC202		
Faculty Name:	Jyoti Nimbhorkar and Sameer Hadkar		
Year	1	**Sem**	II

CO Number	**Course Outcome**
	The student will be able to
FEC202.1	Identify and understand the fundamental physical principles of topics like Interference, Diffraction, LASER, Fibre Optics and Charged particles in electric & magnetic field. They will understand electrodynamics, Maxwell's equations and their applications.
FEC202.2	Integrate knowledge of the above mentioned Physics topics with their respective engineering disciplines to understand engineering devices and processes – a prerequisite to become successful engineer.
FEC202.3	Apply fundamental principles of Physics to solve numericals and problems encouraging them to venture into the research field by assimilating knowledge of nanotechnology and the tools used in it.
FEC202.4	Demostrate and / or communicate through tests and experiments conducted in the laboratory.

Course Name:	Applied Chemistry II		
Course Code	FEC203		
Faculty Name:	Kartiki B. and Anice M.		
Year	1	**Sem**	II

CO Number	**Course Outcome**
	The student will be able to
FEC203.1	Define and explain the different engineering chemistry concepts and fundamentals especially in the field of corrosion science,fuels chemistry,green chemistry ,materials science
FEC203.2	Reason out ,justify and describe the various phenomenon and processes involved in the field of corrosion science,fuel chemistry,green chemistry ,materials science .And also integrate it with various engineering disciplines.
FEC203.3	Solve engineering problems based on their understanding of applied chemistry
FEC203.4	Perform experiments, obtain data ,analyze data and draw proper inference on basis of experimentation and given situation.

Course Name:	Engineering Drawing		
Course Code	FEC204		
Faculty Name:	Hemant H., Atul L, Sachin S.		
Year	1	**Sem**	II

CO Number	**Course Outcome**
	The student will be able to
FEC204.1	Describe the basics of dimensioning, conventions and standards related to working drawings.
FEC204.2	Demnostrate the theory of projection (first and third angle projection)
FEC204.3	Discuss and explain methods of projection.

Course Name:	Structured Progamming Approach		
Course Code	FEC205		
Faculty Name:	Imran Ali Mirza, Deepali Kayande, Shiv Negi, Gunashekhar, Anthony		
Year	1	**Sem**	II

CO Number	**Course Outcome**
	The student will be able to
FEC205.1	Understand the basic terminology used in computer programming
FEC205.2	Write, compile and debug programs in C language
FEC205.3	Use different data types in a computer program
FEC205.4	Design programs involving decision structures, loops and functions
FEC205.5	Describe the dynamics of memory by the use of pointers
FEC205.6	Use different data structures and create/ update basic data files

Course Name:	Communication Skills		
Course Code	FEC206		
Faculty Name:	Jeffi Thomas, Renjit Varghese, Dr. Mohini Billore		
Year	1	**Sem**	II

CO Number	**Course Outcome**
	The student will be able to
FEC206.1	Define the concept, meaning and process of communication; relate with the objectives of communication; label barriers, and verbal and non-verbal methods of communication; list the various channels of communication in business organization; explain the basic concepts of corporate communication and digital content creation.
FEC206.2	Demonstrate grammatically correct spoken and written skills in English communication and an ability to handle English Language related question in Competitive exams including campus recruitment tests.
FEC206.3	Apply principles of Business Communication in composing various types of Business Letters
FEC206.4	Analyse, simplify and summarize a given text, using different techniques of comprehension and summarization.
FEC206.5	Write the structure and working of various technical objects and processes.