



KIC-TEQIP SHORT TERM COURSE
Mathematics for Engineering Education
February 16 – 20, 2015
 Conducted by
Department of Mathematics, IIT Guwahati



Course Schedule

Date & Day	Time	Event/ Title of the Talk	Speaker
16.02.2015 Monday	9:00 – 9:30	Inauguration	****
	9:30 – 9:45	Tea Break	****
	9:45 – 11:15	Uncertainty Model	Dr. Karmeshu (JNU)
	11:30 – 13:00	Queues and Queueing Networks	Dr. Sanjay Kumar Bose (EEE, IITG)
	13:00 – 14:00	Lunch	****
	14:00 – 15:30	Application of Probability and Random Processes	Dr. Prabin Bora (EEE, IITG)
	15:30 – 15:45	Tea Break	****
	15:45 – 17:15	Introduction to Combinatorics	Dr. Bhaba Kumar Sarma (Math, IITG)
17.02.2015 Tuesday	9:00 – 10:15	Information Theory	Dr. Karmeshu (JNU)
	10:15 – 11:15	Number Theory	Dr. Anupam Saikia (Math, IITG)
	11:15 – 11:30	Tea Break	****
	11:30 – 13:00	Cryptography	Dr. Benny George K. (CSE, IITG)
	13:00 – 14:00	Lunch	****
	14:00 – 15:30	Application of Linear Algebra in Engg. Disciplines	Dr. Tony Jacob (EEE, IITG)
	15:30 – 15:45	Tea Break	****
	15:45 – 17:15	Differential Equations	Dr. Rajen Kumar Sinha (Math, IITG)
18.02.2015 Wednesday	9:00 – 10:00	Mathematical Methods in solving Engineering Problems	Dr. Swaroop Nandan Bora (Math, IITG)
	10:00 – 10:15	Break	****
	10:15 – 11:15	Application of Optimization Theory in Engineering Problems	Dr. Prakash Kotecha (Ch.E, IITG)
	11:15 – 11:30	Tea Break	****
	11:30 – 13:00	Linear Algebra & its Applications	Dr. Rafikul Alam (Math, IITG)
	13:00 – 14:00	Lunch	****
	14:00 onward	Afternoon Session is Free	****
19.02.2015 Thursday	9:30 – 11:00	Technology Enhanced Learning	Dr. Jatindra Kumar Deka (CSE, IITG)
	11:00 – 11:30	Tea Break	****
	11:30 – 13:00	Fractals and its Applications	Dr. M. Guru Prem Prasad (Math, IITG)
	13:00 – 14:00	Lunch	****
	14:00 – 15:30	Fascinating Calculus	Dr. Anjan Kumar Chakrabarty (Math, IITG)
	15:30 – 15:45	Tea Break	****
	15:45 – 17:15	Algorithms and its Applications	Dr. G. Sajith (CSE, IITG)
20.02.2015 Friday	9:30 – 11:00	Application of Differential Equations	Dr. Gautam Barua (Civil Engg., IITG)
	11:00 – 11:30	Tea Break	****
	11:30 – 13:00	Optimization Theory & its Applications	Dr. Sriparna Bandopadhyay (Math, IITG)
	13:00 – 14:00	Lunch	****
	14:00 – 14:30	Feedback Session & Valedictory	****

Note: The venue is Guest House-Conference Room (First Floor)