Math Helpdesk

The following are the timetables for the math helpdesk for students every
Monday & Wednesday from 11:00am – 12:30pm

	Room	Instructor	Class Contents
Week 1 3 & 5 October 2016	BCR I212	Eng. Amith Khandakar	❖ Addition, subtraction, multiplication and division of complex numbers, In addition to conversion of complex number from its Cartesian to polar form and vice versa. ❖ Introduction to MATLAB and MATLAB applications.
Week 2 10 October 2016	BCR I 212	Eng. Mazen Faiter	❖ Computation of powers, roots, and other elementary functions of complex variables. Understanding the concept of phasors. ❖ MATLAB applications.
Week 3 17 & 19 October 2016	BCR I 212	Eng. Haider Ali	❖ Use of MATLAB to find the determinant, eigenvalues, eigenvectors, inverse of a matrix and to solve systems of linear equations.
Week 4 24 & 26 October 2016	BCR I 212	Eng. Hamid Azani	❖ Solving first order differential equations. And Finding a general solution to linear, constant coefficient differential equations. ❖ MATLAB applications.
Week 5 31 Oct. & 2 November 2016	BCR I 212	Eng. Mohammad Negadhar	❖ Use of Laplace transforms to solve linear, constant coefficient differential equations. Learning about inverse Laplace transforms. ❖ MATLAB applications.
Week 6 7 & 9 November 2016	BCR I 212	Eng. Sharief Essam	❖ Computation of the Fourier series (FS) or Fourier transform (FT) of basic functions. ❖ MATLAB applications.
Week 7 14 & 16 November 2016	BCR I 212	Eng. Antonio Gonzales	❖ Solving a set of non-linear algebraic equations using iterative techniques (Guess Seidel, Newton Raphson, etc). ❖ MATLAB applications.