Bridge Course in Mathematics

CONNECTING TO SCHOOL MATHEMATICS

Course Duration:

1 Week – 15 Hrs

Course Objectives:

This course is designed to provide students an intense foundational introduction to the fundamental concepts in mathematics. After completing the course student should be able to understand the basic mathematical terms or concepts used at First Year Under-Graduate Courses.

Course Content:

1. Basic mathematical operations - Addition, subtraction, multiplication and division of numbers / integers
2. Operations with fractions
3. Understanding Decimals
4. Power and Indices
5. Percentage
6. Understanding the Co-ordinate system
7. Drawing of a Linear Equation
8. Solving of simultaneous equations in 2 variables
9. Solving of quadratic equations
10. Set theory

Course Outcomes:

Students will able to:

1. demonstrate the ability to read and understand mathematical terms, notations and concepts independently
2. apply mathematical concepts and principles to perform numerical and symbolic computations.
3. communicate effectively in both written and oral form.
4. exhibit mathematical skills required in the Courses of Degree Program.