A	**Justification for introducing / Replacing the Course :** Expansion of the course	
B	**Name of the Course**	**:** Basic Mathematics
C	**Course Code**	**:** FNDE 102
D	**Number of Credits**	**:** 03
E	**Degree Programme**	**:** Bachelor of Arts General (External) Degree
F	**Core/Optional/Foundation Course**	**:** Foundation
G	**Prerequisites**	**:** None
H	**Aim of the Course** The aim of this course is to create awareness among students of the use of mathematics. Given the varied but limited prior exposure to mathematics, this course will equip students to use mathematics in the courses offered**.**	
I	**Intended Learning outcomes** At the end of this course, students will be able to identify mathematical concepts and use mathematical skills involving basic mathematical problems and approach the mathematical content of social science and humanities disciplines with greater confidence.	
J	**Number of Hours**	**:** Lectures - 45
K	**Course Content** The abstract nature of mathematics; mathematics and logical reasoning. The conceptual framework of lemma, Theorem, law, proposition, axiom, real numbers, variables, factoring, solving linear equations and inequalities, basic coordinate geometry, relations and functions, graphical representation of linear and non linear relations, basic trigonometry, introduction to limits, differentiation, applications of derivatives, techniques of integration, basic probability.	
L	**Assessments Scheme** i. Time of Assessment - End of the year ii. Assessment Methods - Written Examination iii. Assigned Percentage for each Component – 100%	
M	**Recommended Reading** 1. **Hagle, Timothy, 1995,** *Basic Math for Social Scientists:Concepts*, ***SAGE Publications, Inc., USA.*** 2. Haeussler, E.F., R.S. Paul, and R. Wood. 2004: *Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences.* Prentice Hall. 3. Hughes-Hallett et al., ***Applied Calculus***, 3rd Edition, John Wiley & Sons, Inc., 2006. ISBN: 978-0-471-68121-2. 4. David C. Lay, ***Linear Algebra and Its Applications***, Addison-Wesley, 2006. ISBN: 978-0-321-28713-7.	