DNR College, Bhimavaram – PG Courses & Research Centre
M.Sc. Mathematics.
Course Outcome.

S. No.	Semester	Course Code	Course	Course Outcome
1	I	101	Algebra – 1	Skill Development: Axiomatic approach and Abstract thinking provide the student to take up any sort of problems involving logic as algebra inextricably intertwining any branches of Mathematics.
2	I	102	Real Analysis – 1	Skill development: Study of Real Analysis develops analysing capacities of the students in understanding the complexity of the problems.
3	I	103	Differential Equations	Skill development. Differential Equation is nothing but a Model of rate of change in independent variables, consequently, problems of reality can be made a mathematical model and be solved, with the knowledge of differential equations, in Engineering and Medicine etc.
4	I	104	Topology	Skill development. Study of Topology, a rubber sheet Geometry or Science of shapes of surfaces provides the student to look at the surfaces differently.
5	I	105	Discrete Mathematics	Employability. Indiscrete Mathematics, all most all branches are inexplicably inter twined with fantastic applications in computer science related areas.
6	II	201	Algebra – II	Skill development Knowledge of advanced topics in algebra

				widens the logical skills in solving problems.
7	II	202	Real Analysis – II	Skill development. Skill development knowledge of advanced topics in Real Analysis strengthens the analysing skills of the student.
8	II	203	Complex Analysis – I	Skill development. Knowledge of Complex Analysis gives the student the capacity of understanding critical and specific notions of Physics, Engineering, particularly in Quantum Mechanics atmospheric and space Sciences
9	II	204	Linear Algebra	Skill development. Knowledge of Linear Algebra provides the student to look at the algebraic problems geometrically. It develops intuitions to study the structure in n – dimensional space.
10	II	205	Probability Theory and Statistics	Employability. In today's world, software technology deserves a parament importance in which the knowledge of Statistics and probability is imperative. Student wise the knowledge of Statistics and probability may play pivotal role in their positions in software industry.
11	III	301	Functional Analysis	Skill development The study of Functional Analysis enhances the skill to analytical problems in Science and Technology.

12	III	302	Lebesgue Theory	Skill development. Lebesgue theory is nothing but the advanced topics in Real Analysis, it develops analysing skills in solving problems.
13	III	303	Analytical Number Theory	Skill development. Number Theory is the strong foundation of any branch of mathematics. Consequently, it builds a strong foundation to pursue any sort of courses in higher mathematics.
14	III	304	Partial Differential Equations	Employability Partial Differential Equations is one of the essential subjects in Engineering. A student with Partial Differential Equations may be offered teaching positions in Engineering Colleges and Polytechnic institutions.
15	III	305	Lattice Theory	Skill development. Lattice theory is a part of Algebra, which develops the logical and axiomatic thinking of the student in understanding the problems.
16	IV	401	Measure Theory	Skill development Measure Theory is a part of Real Analysis which enhances the analysing skills of the students in understanding problems.
17	IV	402	Numerical Analysis	Skill development. Knowledge of Numerical Analysis is very essential in solving the problems involving approximations particularly in Computer Science and space science. Many day to day problems in Science and Engineering which can not be solved in Analytical methods can

					also be solved in Numerical methods.
18	IV	403	Graph Theory		Skill development. Graph Theory is an inevitable subject for computer courses. Knowledge of Graph Theory adds more tools and techniques to study Computer related courses. It is inexplicably interlaced with Computer Science, Combinatorics and Number Theory.
19	IV	404	Linear Programming		Employability. It is developed during World War II. It develops the skills in maximising the profits and minimising investments in business etc. It develops sportive ness and healthy Competition in business operations as in Game Theory, Students with this knowledge can create self-employment.
20	IV	405	Discrete Dynamical Systems		Skill development. It develops skill to study the dynamics of mathematical functions such as population growth functions, logistic functions etc. algebraically and graphically.