



Course No.	Course Title	No. of Units			Pre-requisites
		Th.	Pr.	Credit	
MATH 464	General Topology	3	-	3	MATH 331

Course Objectives:

- How to write a mathematical report in a correct, clear, and short way.
- How to read a mathematical report and understand it.
- Learn the basics of Point-Set Topology.

Course Description:

Topological space, Some basic examples, Open and closed sets, Course, interior, Boundary, Dense sets, Bases and generating topologies, Subspaces and product spaces, Continuous functions and homeomorphisms, Separation axioms, Metric spaces, Connected and compact spaces.

Main Text Book:

- An introduction to general topology, by Paul Long, Charles E. Merrill Publishing Company 1970.

Subsidiary Books:

- Topology without tears, by Sidney A. Morris, Version of 2011.