

**Open Elective Courses offered by the Department of Applied Science.**

The department offers the following courses as open electives.

Course Code	Course Name	L-T-P	CH	Credit	Offered for
AM501	Topics in Fourier Theory	2-1-0	3	3	M.Sc./M.Tech (Approved by AC.42/2022/2/3.5)
AM502	Graph Theory - Introduction, Applications & Algorithms	2-1-0	3	3	M.Sc./M.Tech/MCA (Approved by AC.42/2022/2/3.5)
AC401	Polymer and Environment	3-0-0	3	3	B.Tech, Int. M.Sc. & M.Sc. (Open Elective/ Department Elective) (Approved by AC.43/2022/2/2.5)
AC501	Fundamental Supramolecular Chemistry	4-0-0	4	4	P.G Students (Open Elective) (Approved by AC.43/2022/2/2.5)
AC601	Introduction to Polymer Science	3-1-0	4	4	M.Tech, & Ph.D. (Open Elective/ Department Elective) (Approved by AC.43/2022/2/2.5)
AC602	Analytical Techniques in Polymer Chemistry	3-1-0	4	4	M.Tech, & Ph.D. (Open Elective/ Department Elective) (Approved by AC.43/2022/2/2.5)
AC701	Supramolecular Chemistry	4-0-0	4	4	PhD (Open Elective/ Department Elective) (Approved by AC.40/2021/2/3.5)
AP701	Astrophysical Gas Dynamics and Accretion Process	3-1-0	4	4	PhD (Open Elective/ Department Elective) (Approved by AC.40/2021/2/3.5)
AP702	Optical Properties of Solids	3-1-0	4	4	PhD (Open Elective/ Department Elective) (Approved by AC.40/2021/2/3.5)
AP501	Introductory Numerical Methods with Applications	2-0-1	4	3	M.Sc. & M.Tech (Open Elective) (Approved by AC.44/2023/1/2.1)

APMD502	Fluid Dynamics in Astrophysics and the Accretion Process	3-0-0	3	3	M.Sc.& M.Tech (Open Elective) (Approved by AC.47/2024/1/2.8)
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