

ANALYTICAL CHEMISTRY (BS-ADP 7th Semester)

Module Code:	Chem-427
Module title:	Analytical Chemistry Lab - III
Name of Scheme:	BS-ADP 7th Semester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES:

This course will help the students in hands on training on HPLC and Gas Chromatographic advance instrumentation. This course finds its application in various inorganic and organic samples analysis at trace levels.

SYLLABUS OUTLINE:

- Analysis of some drug samples (for example, Paracetamol and Caffeine) by HPLC.
- Determination of inorganic ions by HPLC.
- Isolation of compounds from plant extracts by HPLC.
- Gas Chromatographic MS Analysis of volatile samples
- Gas Chromatographic MS Analysis of vegetable oils

RECOMMENDED BOOKS:

1. Vogel's text book of quantitative inorganic analysis by J. Bassett. The English language book Society and Longman
2. Analytical Chemistry by G.D. Christian.