

Modules

- Nuclear Magnetic Resonance Spectroscopy, Mass Spectroscopy. (10 Hrs)
- Thermal Methods of Analysis (10 Hrs)
- ▶ Calibration and Validation as per ICH and USFDA Guidelines.: (10 Hrs)

Course objective

- ▶ To understand concept of Nuclear Magnetic Resonance Spectroscopy, Mass Spectroscopy its principle and working.
- To learn thedifferent Thermal Methods of Analysis, different thermal analysis, different scanning calorimetry.
- To study about general principles of calibration, qualification and Validation, importance and scope of validation, types of validation, validation master plan. Calibration of pH meter, Calibration of Dissolution apparatus, Qualification of UV-Visible spectrophotometer.

Course outcome

- ▶ Understand the advanced instruments used and its applications in drug analysis.
- Understand the calibration of various analytical instruments
- Study hyphenated techniques-LC-MS/MS, GC-MS/MS, HPTLC-MS.

COURSE COORDINATOR

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NAME OF DEAN

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