

## **CY-506 ELECTROANALYTICAL TECHNIQUES**

**Electroanalysis:** Electrochemical cells, Faradaic and non-Faradaic methods of electrochemical analysis, electrolysis (pragmatic and kinetic treatment), electroanalysis (non-aqueous media).

**Electroanalytical Techniques:** Principle, instrumentation and applications of voltammetry, electrogravimetry, coulometry and conductometry, potentiometric titrations, reference, indicator and ion-selective electrodes, stripping electroanalytical methods.

**Electroanalysis in Automated Chemical Control:** Chemical control automation, automated electroanalysis in laboratory, plant and environment control.

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