CHEM-E4120 Quantitative Instrumental Analysis

Examination

Choose 6 questions to be answered upon your own choice, answer either in English or Finnish.

- 1. Monochromators and polychromators in optical spectrometry?
- 2. Light sources in spectrofotometry and photoluminence?
- 3. Electron and ion detectors in electron spectrometry and mass spectrometry?
- 4. X-ray fluorescence with X-ray excitation?
- 5. Auger Electron Emission Spectrometry compared with Electron Probe Microanalysis?
- 6. Atomic absorption and optical emission spectrometry?
- 7. Capillary electrophoresis, the separation principles and detection and quantification of analytes?