

Outline of the 6 Lectures including a demo

January 08, 2008

Description of the XPS technique; basic principle, spectra, X-ray sources, analyzer and theory

January 10, 2008

XPS Continued; Spectrum features: Splitting, Satellites, Plasmons
Chemical shifts, charging effects
Angular resolved acquisitions
Quantification

January 15, 2008

Description of the Auger technique; basic principle, direct and differentiated spectra, elemental mapping and chemical analysis
Differences with XPS and when AES is used instead of XPS

January 17, 2008

Description of the UPS technique

January 22, 2008

UPS continued
Worked examples XPS/Auger and UPS

January 24, 2008

Handing out homework
Demonstration (AXIS-165 from Kratos) if possible

Homework due January 29, 2008 by 5PM in Fulmer 208