



Full Syllabus



Course Title

Laboratory in ATEM for Characterization of Materials

Lecturer

Prof. Amit Kohn

Semester

2

Course requirements

Analytical TEM 0581-5233, approved by the lecturer and recommended by the student's supervisor

Final grade components

Two lab reports based on instructions of lab manual

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
Lab 1	Scanning TEM – Convergence angle, probe diameter/current, Alignment: Ronchigram, Annular dark-field: angular range, Z-contrast interpretation STEM EDS
Lab 2	Electron energy-loss spectroscopy, Energy Filtered TEM

Required course reading

Lab manuals
Teaching material of ATEM course

Optional course reading

Comments



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