Title of the course: Measuring techniques in physics KAFIZ2

Contact hours: 2 hours/week

Credit value: 2

Coordinator: Süvegh, Károly associate professor

Department: Dept. Nuclear Chemistry

Mark: on the basis of laboratory practice and tests

Topics covered by the course:
basics of vacuum technique: pumps, measuring devices, connectors; basics of optics: optical elements, image formation of lenses and mirrors, slits, coherence and interference of light; elasticity measurements; sedimentation in gravitational and centrifugal fields; semiconductor diodes, analogue electronics; digital electronics, BOOL-algebra, flip-flops; data acquisition, signal/noise ratio, sensitivity; process controlling, signal processing, data processing

Literature:

Compulsory:
Sylabus for the measurements (provided by the course)
Also in electronic form:
www.chem.elte.hu/departments/magkem/hun/oktatas/fizlab.html

Suggested:
Books given in the Syllabus