

<b>General Information</b>			
<b>Course name</b>	Experimental Methods in Solid State Physics II	<b>ECTS Credits</b>	3
		<b>Semester</b>	W
<b>Aims</b>			
<p>The subject provides a basic overview of the solid-state methods and techniques studying the surface structures as well as the quasiparticle spectra.</p>			
<b>Content</b>			
<p>Experimental methods oriented on structural studies of solid state surfaces, superconducting vortices, magnetic and electrical surface structures. Spectroscopies with high energy resolution for studies of electron and other quasiparticles in solids.</p>			
<b>Assessment Methods and Criteria</b>			
Oral Exam			
<p><b>Grading Scale (in %):</b>  A: 91% - 100%  B: 81% - 90%  C: 71% - 80%  D: 61% - 70%  E: 51% - 60%  F: 0% - 50%</p>			

**Grading System:**

The University recognises the following six degrees for the evaluation of the study results:

- a) A – excellent (excellent results) (numerical value 1)
- b) B – very good (above average results) (1.5)
- c) C – good (average results) (2)
- d) D – satisfactory (acceptable results) (2.5)
- e) E – sufficient (results meet the minimum criteria) (3)
- f) FX – failed (requires further work) (4)

**Bibliography**

Hajko V a kol.: Physics in Experiment, Veda, Bratislava 1998.

Kittel Ch.: Introduction to Solid State Physics, 7th edition, John Wiley and sons, NY, 1996

M. Tinkham: Introduction to Superconductivity, McGraw-Hill, Nwe York, 1996

