

General Information			
Course name	Vacuum Physics	ECTS Credits	4
		Semester	W
Aims			
Introduction to vacuum physics and experimental systems.			
Content			
<p>Overview of basic topics in vacuum physics - volume transport properties of gas, gas flow, gas on solids. Principles of the measurement and creation of low pressure conditions. Basics of the vacuum equipment construction and the leak-tightness testing. The use of vacuum technology in advanced material preparation and cryogenics.</p>			
Assessment Methods and Criteria			
Final test exam			
Grading Scale (in %): A: 91% - 100% B: 81% - 90% C: 71% - 80% D: 61% - 70% E: 51% - 60% F: 0% - 50%			

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

J.F. O'Hanlon, A User's Guide to Vacuum Technology, Wiley-Interscience; 2003;

