

PHY-M-VS 4

Effective WS 2011/12

1. Module title:	IT and Media
2. Field / responsibility of:	Physics / the department, the Dean of Studies; the Computer Center of the university
3. Module contents:	<p>Each of the 18 modules of the university-wide supplementary IT training program can be imported into the master's program in physics. These 18 modules cover the following topics:</p> <ul style="list-style-type: none">• Office and applications• Internet and data networks• Programming and algorithms• Graphics and media• Media-based work techniques• Degree-specific courses• For details, please see http://www.uni-regensburg.de/rechenzentrum/lehre-lernen/it-ausbildung/
4. Qualification objectives of the module / competencies to be acquired:	<p>The Computer Center of the Universität Regensburg, in cooperation with the faculties, offers the opportunity to receive supplementary IT training. It aims at equipping students with key competencies in information and communication technology.</p> <p>In particular, the supplementary IT training has the following educational objectives: promoting competence to create and spread information through media and to do digital media design, competent and targeted use of information technology at university and on the job, preparing for potential work in the field of information and communication technology.</p>
5. Prerequisites for participation:	
a) Recommended knowledge:	See detailed descriptions on the supplementary IT training homepage
b) Prerequisite courses:	None
6. Module can be used for:	M.Sc. in Physics; this module can be counted no more than twice (with different contents) towards the area "Advanced studies phase: Miscellaneous" of the master's program.
7. Module is offered:	On a semiannual basis
8. Module can be completed in:	1 semester
9. Recommended semester of study:	Minimum: 1
10. Overall module workload / number of credit points:	Workload: Total number of hours: 150 Credit points: 5

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11. The module is successfully completed when the requirements below have been met.					
12. Module components:					
Nr.	Req./req. elective	Form of teaching	Subject area/topic	Credit hours	Coursework
PHY-M-VS 4 .1	Compulsory		IT and media		See detailed descriptions on the supplementary IT training homepage
13. Module exam:					
Nr.	Competence / topic	Type of exam	Duration	Time / notes	Weighting for module grade
14. Notes:					
See detailed descriptions on the supplementary IT training homepage. The module is not graded. If a grade is given in an IT training course, the grade is not counted towards the master's program in physics.					