Module Overview – English Modules

Module	Unit	Topics	Exam	Credits
Artificial Intelligence	Knowledge-Based Systems	Knowledge Representation Expert Systems Case-Based Reasoning Machine Learning Principles Applications	Written Exam	7
	Autonomous Agents	Intelligent Agents and Multi-agent Systems Reasoning Agents Practical Thinking Agents Negotiations and Interactions Applications		
Grafics	Grafical Data Processing	Technical Foundations of Computer Grafics Transformations Textures and Lighting Grafical Programming Systems	Written Exam + Program Design	7
	Multimedia Systems	User-Friendly Design of Grafical and Multimedia Systems Multimedia Programming Systems		
Operating Systems	Foundations of Operating Systems	History and Features of Operating Systems Processes, Threads, Scheduling, Memory, Synchronisation, Deadlocks, Files and I/O, Security	Written Exam	7
	Standard Operating Systems	Structure and Administration of Windows and Linux Linux System Programming		
Project Management	Project and Quality Management	Project Planning Estimate of cost and time in IT-projects Project Control Risk Management, Risk Analysis Quality Management of IT-projects	Presentation + Project Work	7
	Agile Development Laboratory	Agile Project Management Handling of a practical problem with agile project management methods		
Practical Training		Practical Work in a Company *either* in the Field of Software-Engineering *or* in the Field of System Administration	Project Report	14