

CLOUD COMPUTING AND VIRTUALISATION TECHNOLOGIES 2016-2017

Master Degree:	Software Technologies	853M
Course title:	Cloud computing and virtualisation technologies	5106
Year/Semester:	1/1S	ECTS Credits: 3

DEPARTMENT

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CONTENTS

- Cloud computing systems
- Viability and adequacy of using cloud computing systems
- Measuring the performance and cost of cloud systems
- Monitoring technologies and performance analysis of information systems
- Cloud computing systems and security
- Virtualisation environments and technologies
- Use cases and experiences of cloud computing solutions

REFERENCES

Title
The practice of cloud system administration
Distributed and cloud computing
Cloud computing basics
Performance modeling and design of computer systems: Queuing theory in action
Cloud computing: challenges, limitations and R&D solution
Cloud computing for enterprise architectures
Designing distributed control systems: a pattern language approach
Trusted cloud computing
Continued rise of the cloud: advances and trends in cloud computing
Software engineering frameworks for the cloud computing paradigm

EVALUATION SYSTEM

Laboratory exercises and reports of practical duties: 40%
Projects and works: 30%
Written examinations: 30%