



LITHUANIA BUSINESS COLLEGE

DESCRIPTION OF STUDY MODULE (FOR ERASMUS+ STUDENTS)

VIRTUALIZATION AND CLOUD COMPUTING

Volume of subject	6.0 ECTS
Lecturer in charge	assoc. prof. dr. Mindaugas Kurmis
Annotation	<p>This course focuses to main virtualization platforms – Vmware, vCenter, Citrix Xen, Microsoft Hyper-V, therefore the practical aspects to administrate the platforms. The product creation paradigm's are used and analyzed problems are transferred to existing programs in the cloud, using best practices.</p> <p>After the course students:</p> <ul style="list-style-type: none"> ✓ will be able to deploy, manage and process virtualization technologies. ✓ Create cloud computing paradigms IaaS, PaaS, and SaaS programming products. ✓ will be able to find out methods and techniques for the data safety manners in cloud computing systems. ✓ will be able to apply these methods and techniques in practice.
Topics	<ul style="list-style-type: none"> • Definition of cloud computing. • Cloud computing, virtualization, and data safety basics. • Technical and programming solutions for virtualization. methods, techniques, and types. • Cloud computing service types. • Program equipment as service “Saas”. • Cloud computing service analyses for business management. • Virtualization infrastructure analyses. • Data privacy in cloud computing.
Procedure for assessment of knowledge and competences	<ul style="list-style-type: none"> ✓ 25 percent – individual work; ✓ 15 percent – control work; ✓ 60 percent – final exam.