

Module	Business Aspects in Blockchain and Distributed Ledger Technologies (DLT)
Lecturer	Prof. Dr. Philipp Sandner and Constantin Ketz
Language	English
Teaching Method	Lecture
Credit Points / Duration	0.25 ECTS / 4 Lectures of 90 minutes each
Attendance Requirements	Basics in business and computer science
Goals / Skills	<p>The students will learn about blockchain and other distributed ledger technologies (DLT) and determine how blockchain fits into different businesses and industries. Existing startups in the blockchain ecosystem and how they have been founded will be highlighted.</p> <p>Students will understand the economic implications of blockchain and the resulting new forms of economies and organizations. Students will also obtain a basic and conceptual understanding of how DLTs work and how their strengths can be used to leverage current business challenges in industries like finance, travel & transportation, manufacturing, and supply chains.</p>
Content	<ul style="list-style-type: none"> • Fundamentals of blockchain technology • Business applications and use cases • Lean business modelling for blockchain and entrepreneurship • Start-ups in the blockchain ecosystem and what made them successful
Media Used	Student presentation, blackboard illustrations, discussion, practical demonstrations
Suggested Reading	<ul style="list-style-type: none"> • Schatsky, D. & Muraskin, C. (2015). Beyond bitcoin: Blockchain is coming to disrupt your industry. Deloitte • IBM Institute for Business Value (2016). Fast forward: Rethinking enterprises, ecosystems and economies with blockchains • Iansiti, M. & Lakhani, K. R. (2017). The Truth About Blockchain, Harvard Business Review, Jan./Feb. • Taylor, S. (2015). Blockchain: understanding the potential, Barclays. • Jablonski, F. (2017). Alex Tapscott: Blockchain Will Impact Consumers in Every Industry, Acronis Blog. • de Jong, M., & van Dijk, M. (2015). Disrupting beliefs: A new approach to business-model innovation, McKinsey & Company, July 2015. • Buterin, V. (2017). A Next Generation Smart Contract & Decentralized Application Platform, White Paper.

