

LLL course description form

Type of learning: Blended learning

Workload for the learner: 10 hours teaching+50 hours self-learning = 60 hours (2 ECTS)

Title:	Data Driven Decision Making
Learning Outcomes:	<p>By the end of the course, the student will be able to:</p> <ul style="list-style-type: none">• Get introduced to a concept of big data and the basics of data analytics where students will know about different types of data and the value data analytics brings to decision-making processes.• Use a variety of data tools and technologies for organizing and analyzing information about process performance.• Be equipped with relevant skills that will allow you to develop new business processes based on data or learn how to use data to increase productivity and make well-informed management decisions.
Method/s for teaching and learning:	<ul style="list-style-type: none">• Slide-presentations and video• Reading material• Working individual and in groups• Group discussions• Reflection• Online classroom response systems
Content/short description:	<p>The course introduces you to the concept of Data Analytics. The difference between structured, unstructured and semi-structured data. Why do you need a data and analytics framework? What analytic techniques can I use and what tools can help me.</p> <p>The lesson, furthermore, will address the issues and emerging trends in big data analytics and will describe how visualization is important to data and analytics.</p> <p>Going through the modules, you will develop an understanding of the solving business problems using data analytics and make better and faster decisions.</p>
Structure of the course:	<ul style="list-style-type: none">• Introduction to Data Analytics.• Using Data to Make Decisions.• Types of data. Big data and its impact on business.• The different types of tools and technologies used to gather data.• Data analysis techniques.

Preparer of the course:	Kristina Khudaverdyan
Method/s of assessment*:	Quiz Online exam
Method for evaluation of course (by students, peer review etc.):	Peer Review Anonymous polling

* Optional, in case if the learner requires certificate for the 2 ECTS issued.