

Syllabus

Course description

Course title	Informatics for Big Data
Course code	44707
Scientific sector	---
Degree	Food Sciences for Innovation and Authenticity
Semester	
Year	First
Academic year	2018/19
Credits	1
Modular	No

Total lecturing hours	10
Total lab hours	-
Total exercise hours	-
Attendance	Strongly recommended
Prerequisites	Students should have a basic mathematical foundation (some basic knowledge in computer science and/or programming is helpful, but not strictly needed)
Course page	https://ole.unibz.it/ http://www.inf.unibz.it/dis/teaching/BigData/

Specific educational objectives	<p>The course gives a general overview of models, techniques, and frameworks used for analyzing large data sets.</p> <p>Students attending this course will learn about these models, techniques, and frameworks. Additionally, one of the tools will be covered in more detail as a case study.</p>
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Module 1	
Lecturer	Sven Helmer, POS 2.16, shelmer@inf.unibz.it , 016190, http://www.inf.unibz.it/~shelmer/
Scientific sector of the lecturer	ING-INF/05
Teaching language	English
Office hours	TBA, total hours: 3
List of topics covered	<ul style="list-style-type: none"> • Models, techniques, and frameworks for analyzing large amounts of data • Closer look at one specific tool
Teaching format	Frontal lectures

Learning outcomes	The learning outcomes need to refer to the Dublin Descriptors: Knowledge and understanding
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	<ul style="list-style-type: none"> • know and understand principles of systems and methods for analyzing large amounts of data <p>Applying knowledge and understanding</p> <ul style="list-style-type: none"> • be able to apply certain steps of analyzing data with a specific tool <p>Making judgments</p> <ul style="list-style-type: none"> • be able to have a rough idea on how to judge the capabilities of data analysis frameworks
Assessment	Written exam with verification questions and questions to test knowledge application skills
Assessment language	English
Evaluation criteria and criteria for awarding marks	clarity of answers, ability to recall principles and methods used in data analysis frameworks, basic skills in applying knowledge for using such a framework