

COURSE DETAIL

DATA ANALYTICS

Country

Netherlands

Host Institution

Utrecht University

Program(s)

Utrecht University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

101

UCEAP Course Suffix**UCEAP Official Title**

DATA ANALYTICS

UCEAP Transcript Title

DATA ANALYTICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers the following: relevance of life science and health in applying Data Analytics (DA); evaluation methods for different DA processes and their differentiating key aspects; the steps of the Cross-Industry Standard Process for Data Mining (CRISP-DM) on data analytics applications; selected techniques and algorithms application to a data set from a task-oriented perspective using the CRISP-DM; analysis of semi-structured and unstructured data, for example using text analysis; using external data sources in analyses to derive new insights; the relation of the potential negative impact of data quality problems to each step of the CRISP-DM process. Prerequisites for this course include the following: Scientific Research Methods, Imperative, or Mobile Programming, or similar coursework.

Language(s) of Instruction

English

Host Institution Course Number

INFOB3DA

Host Institution Course Title

DATA ANALYTICS

Host Institution Campus

Science

Host Institution Faculty

Host Institution Degree

Host Institution Department

Information and Computing Sciences

[Print](#)