

Module Description

39-M-INT6 International Courses in Data Science 6

Faculty of Technology

Version dated Jun 5, 2026

This module guide reflects the current state and is subject to change. Up-to-date information and the latest version of this document can be found online via the page

<https://ekvv.uni-bielefeld.de/sinfo/publ/modul/114344375>

The current and valid provisions in the module guide are binding and further specify the subject-related regulations (German "FsB") published in the Official Announcements of Bielefeld University.

Non-official translation of the module descriptions. Only the German version is legally binding.

39-M-INT6 International Courses in Data Science 6

Faculty

Faculty of Technology

Person responsible for module

Prof. Dr. Philipp Cimiano

Dr. Basil Ell

Regular cycle (beginning)

Every semester

Credit points

10 Credit points

Competencies

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On the one hand, students gain in-depth specialist skills by attending various further courses in the field of data science and / or in methodically related fields. In addition, students acquire a high level of intercultural competence as well as the ability to contribute and prove themselves in a culturally different work environment. They develop their professional, social and communicative skills in an intercultural and foreign language context.

Content of teaching

The students acquire in this module at the foreign college (in-depth) knowledge in the field Data Science similar to one of the lectures offered in the module pool computer science. Since the achievements are obtained in the context of a study abroad, the courses and the contents need to be coordinated with the respective program representative (Programmbeauftragte/r) in the form of a "Learning Agreement for Studies" which depends on the main teaching areas of the foreign universities.

Recommended previous knowledge

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Necessary requirements

The prerequisite for participation in this module is a stay abroad at a foreign university. For achievements obtained in the context of studying abroad, prior coordination between the student and the participating universities is mandatory through a "Learning Agreement for Studies" obligatorisch.

Explanation regarding the elements of the module

Module structure: 1 bPr¹

Courses

Title	Type	Regular cycle	Workload ⁵	LP ²
International Courses in Data Science 6	lecture	WiSe&SoSe	240 h (240 + 0)	8 [Pr]

Examinations

Allocated examiner	Type	Weighting	Workload	LP ²
Teaching staff of the course International Courses in Data Science 6 (lecture) <i>The form of delivery depends on the circumstances at the foreign university.</i>	Portfolio	1	60h	2

Legend

- 1 The module structure displays the required number of study requirements and examinations.
 - 2 LP is the short form for credit points.
 - 3 The figures in this column are the specialist semesters in which it is recommended to start the module. Depending on the individual study schedule, entirely different courses of study are possible and advisable.
 - 4 Explanations on mandatory option: "Obligation" means: This module is mandatory for the course of the studies; "Optional obligation" means: This module belongs to a number of modules available for selection under certain circumstances. This is more precisely regulated by the "Subject-related regulations" (see navigation).
 - 5 Workload (contact time + self-study)
- SoSe** Summer semester
- WiSe** Winter semester
- SL** study requirement
- Pr** Examination
- bPr** Number of examinations with grades
- uPr** Number of examinations without grades