Module Description 40-Neo-1 NEOLAiA – Focus Academy: Personal Health Data Management

School of Public Health

Version dated Feb 11, 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/533284106

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.

40-Neo-1 NEOLAiA – Focus Academy: Personal Health Data Management

Faculty

School of Public Health

Person responsible for module

Dr. Kerstin Schlingmann

Bastian Simon

Regular cycle (beginning)

The dates vary and are announced in the course catalogue (EKVV).

Credit points

3 Credit points

Competencies

A Focus Academy

- is a specially designed Blended Intensive Programme (BIP) within the framework of the European University Alliance 'NEOLAiA'

- is a structured, short-term, financially supported mobility abroad that is integrated into the curriculum, at least via the Individual Complementary Area (free elective area).

- is developed and implemented by at least three higher education institutions from at least three EU member states and third countries associated with the programme.

- is an excellent way of gaining (initial) international study experience and developing your own language skills.

- consists of a virtual and a physical component: Students from the different universities work together the whole time. The highlight is the joint physical phase on site, which lasts at least 5 days.

- deals in particular with transversal and interdisciplinary topics in order to be of interest to many students of different disciplines.

This programme was developed with university partners of the European University Alliance 'NEOLAiA' (https://neolaiacampus.eu/).

The Focus Academy will allow participants to have hands-on experiences on the way to properly manage, process and ecure healthcare data as well as making the digital services usable and privacypreserving. The set of competences will include aspects from computer science, managerial engeneering as well as privacy law. The obtained competences will be assessed thgrough our a project jointly conducted by pairs of participants on specific aspects of digitalization of healthcare data, effectice and efficient handling of data during their lifecycle, and stakeholder engagement in digital services for healthcare.

Content of teaching

1. Provide training on ICT technologies for the collection, processing, and visualization of personal healthcare data.

2. Modelling data lifecycle of healthcare data: best practices and issues.

3. Develop strategies to make digital health solutions attractive and effective.

4. Introduce participants to the security and privacy concerns mandated by legal frameworks and ethical guidelines.

5. Offer hands-on experience bridging the gap between theoretical knowledge and practical application.

6. Encourage collaboration among academic institutions, healthcare professionals, and technology and management experts to address challenges in the digital transformation of healthcare.

Recommended previous knowledge

Target group: We welcome bachelor's and master's students from Computer and Data Science, Healthcare, Economics and Management.

Applicants should have basic computer skills and a strong interest in digital transformation in healthcare.

Necessary requirements

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Explanation regarding the elements of the module

The course of the module is offered in English. It is offered in a combination of face-to-face and virtual phases with the participation of other international partner universities and can also take place in the form of block dates.

Full participation is required to complete the module. Nominated students travelling to the venue can be funded via Erasmus+. Detailed information on the programme and how to proceed can be found in the course catalogue (EKVV).

Module structure: 1 SL, 1 bPr [1]

Courses

Title	Type	Regular cycle	Workload [5]	LP[2]
Course of the Focus Academy	seminar	The dates vary.	90 h (30 + 60)	3

Study requirements

Allocated examiner	Workload	LP[2]
Person responsible for module is examiner *Participation in the activities of the Focus Academy usually expressed by the (ERASMUS+) confirmation of participation of the offering university.*	-	-

Examinations

Allocated examiner	Type	Weighting	Workload	LP[2]
Person responsible for module is examiner *The requirements of the offering university apply.*	e-Klausur o. e-Open-Book o. Hausarbeit o. Klausur o. mündliche e-Prüfung o. mündliche Prüfung o. Open-Book o. Portfolio o. Portfolio mit Abschlussprüfung o. Referat mit Ausarbeitung	1	-	-

Further notices

Further information: https://neolaiacampus.eu/for-students/focus-academy-courses/

Legend

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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