

CERTIFICATE



This is to acknowledge that

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PhD

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Department of Biochemistry and Biotechnology

has successfully completed the online training within the

project DigiLabStar III

(Digital Laboratories for Students-at-risk)

Ruhr University Bochum

from 1 November 2024 through 30 May 2025

in the framework of the program

„Ukraine Digital“: Ensuring academic success in times of crisis

funded by DAAD (German Academic Exchange Service) and BMBF (Federal

Ministry of Research, Technology and Space)



Online-workshops:

1. Moodle course development (10 hours).
2. Designing interactive learning content using the H5P tools (10 hours).
3. Leveraging artificial intelligence for original E-Learning content creation: storytelling, text and image generation, and gamified course development using Digital tools (10 hours).

Practical Module:

Creating and implementing interactive test tasks in Moodle (30 hours).

The following competencies were acquired:

- Design and structure Moodle courses.
- Create interactive digital materials: lectures, manuals, assessments using H5P and other tools to support innovative and personalized learning experiences.
- Integrate AI Tools into E-Learning: content creation including storytelling, text, and image generation.
- Develop gamified and adaptive learning: motivate and support students.
- Implement digital assessments: design and upload diverse Moodle test formats.
- Integrate digital content into curriculum: align with objectives; share for collaborative teaching.
- Support inclusive and crisis-resilient learning: use digital tools to ensure continuity of education in crisis contexts.

By completing this online practical training, 60 hours were fulfilled, equivalent to 2 ECTS credits.



Dr. Peter Salden

Director of the Centre for
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