

Curriculum Vitae – Dr. Christiane Kuhn

Bio

Christiane Kuhn is an Academic Director in the Department of Business and Economics Education at Johannes Gutenberg University (JGU) in Mainz, Germany.

She earned her doctorate with highest honors (*summa cum laude*) in 2013 with a dissertation on the valid assessment of pedagogical content knowledge of pre-service and in-service teachers in business and economics. For her doctoral research, she received a three-year scholarship from the German Federal Ministry of Education and Research (BMBF), which is awarded to outstanding young scientists in the field of empirical education research, as well as two research awards.

For five years, she worked on the coordination project of the BMBF-funded research initiative *Modeling and Measuring Competencies in Higher Education (KoKoHs)*. Subsequently, she was project leader for another five years in the BMBF-funded projects *ELMaWi* and *ELMaWi Transfer*, which focused on the assessment and development of subject-specific competencies in university teacher education in mathematics and economics using innovative technology-based assessment designs. These projects were conducted in cooperation with IPN – Leibniz Institute for Science and Mathematics Education at Kiel University. Among other activities, she carried out a feasibility study on adapting the innovative assessments for pre-service teachers in business and economics to teaching practices in the USA.

Christiane Kuhn also led the successful funding proposal for the joint project *Technology and Economics: Integrated Didactics (TWIND)*, which was supported by BMBF from 2020 to 2023 as part of the *Quality Initiative for Teacher Education*. The consortium, comprising four universities – JGU Mainz, Technical University of Darmstadt, University of Kassel, and University of Education Schwäbisch Gmünd – focused on the innovative development and sustainable integration of digital teaching and learning resources for teacher education.

Her engagement for a sustainable transfer of scientific findings into teaching in higher education was awarded with an innovative teaching prize.

Academic Positions

- May 2025 – present: **Academic Director** (dt. Direktorin)
JGU Mainz, Business and Economics Education
- Dec 2013 – May 2025: **Academic Councillor/ Senior Academic Councillor** (dt. Rätin/Oberrätin)
JGU Mainz, Business and Economics Education
- Dec 2008 – Dec 2013: **Research Assistant**
JGU Mainz, Business and Economics Education

Degrees

- 2013: **Doctorate in Political Economy (Dr. rer. pol.)**
JGU Mainz, Business and Economics Education
- 2008: **Diplom-Handelslehrerin**
JGU Mainz, Business and Economics Education

Contact

christiane.kuhn@uni-mainz.de

Selected Publications

- Kuhn, C., Depré, K., Zlatkin-Troitschanskaia, O. & Reichert-Schlax, J. (2025). Using digital tools in teacher education for fostering instructional competence among (pre-service) teachers. *Zeitschrift für Erziehungswissenschaft*, 28, 1389–1411. <https://doi.org/10.1007/s11618-025-01326-y>
- Day, S. H., Kuhn, C. & Saas, H. (2022). Evaluating and developing teacher instructional practices in economics using a new video-based test. *The Journal of Social Studies Research*, 46(4), 379–393. <https://doi.org/10.1016/j.jssr.2021.09.006>
- Jeschke, C., Kuhn, C., Heinze, A., Zlatkin-Troitschanskaia, O., Saas, H. & Lindmeier, A. (2021). Teachers' ability to apply their subject-specific knowledge in instructional settings - A qualitative comparative study in the subjects mathematics and economics. *Frontiers in Education*. <https://doi.org/10.3389/feduc.2021.683962>
- Kuhn, C., Zlatkin-Troitschanskaia, O., Lindmeier, A., Jeschke, C., Saas, H. & Heinze, A. (2020). Relationships between domain-specific knowledge, generic attributes, and instructional skills – Results from a comparative study with pre- and in-service teachers of mathematics and economics. In O. Zlatkin-Troitschanskaia, H. A. Pant, M. Toepper & C. Lautenbach (Eds.), *Student learning in German higher education: Innovative measurement approaches and research results* (p. 75–103). Wiesbaden: Springer VS. https://doi.org/10.1007/978-3-658-27886-1_5
- Wahlen, A., Kuhn, C., Zlatkin-Troitschanskaia, O., Gold, C., Zesch, T. & Horbach, A. (2020). Automated Scoring of Teachers' Pedagogical Content Knowledge - A Comparison between Human and Machine Scoring. *Frontiers in Education, Section Assessment, Testing and Applied Measurement*. <https://doi.org/10.3389/feduc.2020.00149>
- Jeschke, C., Kuhn, C., Lindmeier, A., Zlatkin-Troitschanskaia, O., Saas, H. & Heinze, A. (2019). What is the relationship between knowledge in mathematics and knowledge in economics? Investigating the professional knowledge of (pre-service) teachers trained in two subjects. *Zeitschrift für Pädagogik* 4(4), 511–524. <https://doi.org/10.25656/01:23992/>
- Jeschke, C., Kuhn, C., Lindmeier, A., Zlatkin-Troitschanskaia, O., Saas, H. & Heinze, A. (2019). Performance assessment to investigate the domain specificity of instructional skills among pre-service and in-service teachers of mathematics and economics. *British Journal of Educational Psychology*. <https://doi.org/10.1111/bjep.12277>
- Zlatkin-Troitschanskaia, O., Kuhn, C., Brückner, S. & Leighton, J. P. (2019). Evaluating a technology-based assessment (TBA) to measure teachers' action-related and reflective skills. *International Journal of Testing (IJT)*, 19(2), 148–171. <https://doi.org/10.1080/15305058.2019.1586377>
- Kuhn, C., Zlatkin-Troitschanskaia, O., Brückner, S. & Saas, H. (2018). A new video-based tool to enhance teaching economics. *International Review of Economics Education*, 27, 24–33. <https://doi.org/10.1016/j.iree.2018.01.007>
- Zlatkin-Troitschanskaia, O., Toepper, M., Pant, H. A., Lautenbach, C. & Kuhn, C. (2018) (Eds.). *Assessment of learning outcomes in higher education – Cross national comparisons and perspectives*. Springer. <https://doi.org/10.1007/978-3-319-74338-7>
- Kuhn, C., Alonzo, A. C. & Zlatkin-Troitschanskaia, O. (2016). Evaluating the pedagogical content knowledge of pre- and in-service teachers of business and economics to ensure quality of classroom practice in vocational education and training. *Empirical Research in Vocational Education and Training*, 8(5). <https://doi.org/10.1186/s40461-016-0031-2>
- Zlatkin-Troitschanskaia, O., Shavelson, R. J. & Kuhn, C. (2015). The International state of research on measurement of competency in higher education. *Studies in Higher Education*, 40(3), 393–411. <https://doi.org/10.1080/03075079.2015.1004241>