



ЦЕНТЪР ЗА ОБУЧЕНИЕ – БАХ

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Basic Information:

- Course Title: TOPIC 9.4.62. European Innovation in Blue Growth and Green Transition. Features of Industry 5.0 and Challenges Related to the Application of Digital Technologies
- Lecturer: Prof. D.Sc. Vassil Kirov
- Phone: 0887-779179
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- Total Teaching Hours: 30 academic hours

Annotation (up to 150 words)

The course aims to provide key insights into the impact of digital transformation and the green transition on labour markets, organisations, regions, and professions in Europe. Acknowledging that technology is not deterministic, the course presents examples of job creation, destruction, substitution, and changes in job tasks. Emphasis is placed on regional entrepreneurial ecosystems and the role of institutional actors in the dual transition. Participants work in small groups on case studies, analysing processes in specific organisations through interviews and observations. The course equips PhD students with theoretical and practical skills to research the impact of the dual transition.

Course content (brief description by topics or modules)

- **Topic / Module 1:** Impact of digital transformation and the green transition on labour markets, organisations, regions, and professions in Europe. Dynamics of job restructuring (creation, destruction, substitution, and task transformation).
- **Topic / Module 2:** Regional entrepreneurial ecosystems and the role of institutional actors in digital and green transformations (Industry 5.0 context).
- **Topic / Module 3:** Practical research methodology and case study analysis in specific organisations (data collection via interviews and observations, group projects).

Teaching and assessment methods

- **Teaching methods:** Lectures, interactive discussions, small group case study work, interviews, and field observations.
- **Assessment methods:** Evaluation based on active participation in discussions and the completion/presentation of a practical case study project.

Competencies acquired as a result of training (3–5 points)

- **Theoretical Understanding:** In-depth knowledge of the impact of Industry 5.0 and the dual (digital and green) transition on labor markets and organizational structures.
- **Analytical Competence:** Ability to evaluate regional entrepreneurial ecosystems and the institutional drivers of economic transformation.



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- **Practical Research Skills:** Proficiency in executing qualitative research methods (interviews and observational techniques) to analyze organizational processes.
 - **Collaborative Problem-Solving:** Enhanced capability to work in cross-disciplinary teams to address real-world challenges in social sciences.

Literature

1. Focacci, C. N., & Kirov, V. (2021). Regional entrepreneurial ecosystems: Technological transformation, digitalisation and the longer term—The automotive and ICT sectors in the UK and Bulgaria. *Local Economy*, 36(1), 56-74.
2. Киров, В. Н. (2022). *Дигиталната трансформация и бъдещето на труда: глобални тенденции: локални последици*. Universitetsko izdatelstvo "Sv. Kliment Ohridski".
3. Krommyda V, Kirov V. Localised Pathways of Twin Transitions: Insights from the Energy Sector in Stara Zagora and Kozani. *Sustainability*. 2026; 18(15):7707. <https://doi.org/10.3390/su18157707>

Additional information

- **Project Context:** The training course is developed within the framework of project BG05SFPR001-3.004-0006-C01 "Training of doctoral students for research and transformation of the labor market according to the needs of Industry 5.0 and the dual transition", under the procedure BG05SFPR001-3.004 "Support for the development of project-based doctoral studies" under the "Education" Program 2021–2027.
- **Target Audience:** Applicable to PhD students across all disciplines within the Social Sciences.