DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Methodology of Professional and Research Paper				
Study programme	Specialist professional graduate study of Information Technology in Business Systems				
Status of a course	Elective				
Year of study	2	Semester (Winter/Summer)	W	ECTS credits	6

Goals of a course

The aim of the course is to: enable students to understand the basic features of science, scientific methods, research process, type of research, choice of methodological approach, phases of research work in information sciences, citation, scientific style and method of writing; to train students in the application of scientific research methods in information sciences.

Conditions for enrolling course

No conditions

Learning outcomes on a level of a study programme which includes course

Outcome 9: Develop a model and run a simulation in business systems.
Outcome 11: Apply strategic planning methods for the development of information and communication systems.
Outcome 12: Analyse and implement Internet technologies and e-business in the business information system.
Outcome 14: Organize and lead teamwork in the field of business information systems.
Outcome 17: Present ICT solutions in a business organization.

Expected learning outcomes on a level of a course

1. Define and structure contemporary science
2. Apply the principles, rules and procedures of scientific research methodology and technology
3. Effectively and rationally manage your own knowledge, and manage theoretical and practical processes of transforming a quality idea into quality professional work
4. Formulate the research results and present them in a systematic, simple and concrete manner to the target group
5. Make a Gantt chart of professional paper preparation activities
6. Compare and apply different scientific methods when preparing a professional paper

Content of a course

Science and scientific-research work. Methods of writing technical and scientific paper. Research methods in information science. Scientific and technological information. Sources of information. Choosing a theme for a research. Categorization of scientific papers. Quoting. Writing a technical paper and doing a poster. Terms of technical and scientific paper. Planning and organizing research work. Research. Types of scientific-research and technical papers. Structure, style and language. Parts of the paper and scientific documentation. Research and development. Techniques of writing a technical paper. Presentation of the paper. Law on higher education institutions. Law on scientific-research activity.

Teaching modes	☒ lectures ☐ auditory exercises ☒ seminars and workshops ☐ distance learning ☐ field classes	☒ individual assignments ☐ multimedia and network ☐ laboratory ☐ supervisor's work ☐ other _____

Grading, evaluation and monitoring of students' work continuously during lectures and exams

Grading is based upon evaluation course's learning outcomes' adoption. Grading is performed continuously during lectures and/or during exam, in compliance with the provisions of Regulation on the assessment of students.