![Wrocław University of Science and Technology - Doctoral School]

COURSE CARD

1. Basic information

Course name in English:	Teaching skills
Course name in Polish:	Umiejętności dydaktyczne
Number of hours:	15
Type of course:	Soft skills course
Form of course:	lecture
Code of course:	W08000-SD0088W / DHQ100378W
Course leader:	dr Emilia Mazurek, mgr Malwina Łuszkiewicz
Faculty of the course leader:	W8 Faculty of Management
Email address of the course leader:	emilia.mazurek@pwr.edu.pl, malwina.luszkiewicz@pwr.edu.pl

Scientific discipline(s) assigned to the course (doctoral students representing the marked disciplines can participate in the course):	Architecture and urban planning	☒
	Automation, electronic, and electrical engineering	☒
	Information and communication technology	☒
	Biomedical engineering	☒
	Chemical engineering	☒
	Civil engineering and transport	☒
	Mechanical engineering	☒
	Environmental engineering, mining, and energy	☒
	Mathematics	☒
	Chemical sciences	☒
	Physical sciences	☒
	Management and quality studies	☒

2. Objectives

Familiaring students with selected theoretical findings of andragogy and didactics of higher education.

Familiarizing students with the basic knowledge of intellectual property.

Presenting the tasks of an academic teacher and the basic knowledge of civil and disciplinary liability of an academic teacher.

Preparing students for conscious and lawful use of their rights in the work of an academic teacher.

Developing and improving the skills of planning classes or group of classes, as well as the skills of teaching students using traditional and modern methods and tools.

Developing and improving the skills of systematic analysis of didactic situations in order to develop one's own teaching skills.

3. Content
Detailed information about the course content, including topics and form of classes.

No.	Topic	Number of hours	Form of classes
1	Human development in adulthood in the perspective of andragogy. Lifelong learning.	2	lecture
2	The competences and authority of a university teacher. Difficult situations in teaching practice.	2	seminar
3	Teaching objectives. Learning outcomes. Teaching forms and methods. Didactic measurement. Designing the teaching process including classic and modern teaching methods.	4	seminar
4	The concept of intellectual property. The plagiarism and legal consequences.	2	lecture
5	Civil and disciplinary liability of an academic teacher.	2	seminar
6	Development of teaching materials taking into account the permitted use of works and the right to quote.	2	lecture
7	Protection of the image at work of an academic teacher.	1	lecture

4. Prerequisites
List of prerequisites relating to knowledge, skills and other competences for course participants.

basic knowledge of the areas of humanities and social sciences

5. Learning outcomes
List of learning outcomes at level 8 of the Polish Qualifications Framework assigned to the course (mark the learning outcomes in the last column).

Symbol	Learning outcome	
	KNOWLEDGE. Doctoral student knows and understands:	
SzD_W3	the main trends in the development of the scientific or artistic disciplines covered in the curricula;	☐
SzD_W4	research methodology;	☐
SzD_W5	the rules for the dissemination of scientific results, including in open access mode;	☐
SzD_W6	the fundamental dilemmas of modern civilization;	☐
SzD_W7	the legal and ethical conditions of scientific activity;	☐
SzD_W8	the economic and other relevant conditions of scientific activity;	☐
SzD_W9	basic principles of knowledge transfer to the economic and social spheres and commercialisation of results of scientific activity and know-how related to these results.	☐
	SKILLS. Doctoral student is able to:	

SzD_U2	use knowledge from different fields of science or art to creatively identify, formulate and innovatively solve complex problems or perform research tasks, in particular: - define the purpose and subject of scientific research, formulate a research hypothesis, - develop research methods, techniques and tools, and use them creatively, - draw conclusions on the basis of scientific research; critically analyse and evaluate the results of scientific research, expertise and other creative work and their contribution to knowledge development; transfer the results of scientific activities to the economic and social spheres;	☐
SzD_U3	communicate on specialised topics to the extent that they enable an active participation in the international scientific community;	☐
SzD_U4	disseminate research results, including in popular forms;	☐
SzD_U5	initiate debates and participate in a scientific discourse;	☐
SzD_U6	be able to speak a foreign language at B2 level of the Common European Framework of Reference for Languages to a level that enables them to participate in the international scientific and professional environment;	☐
SzD_U7	plan and implement an individual or collective research or creative activity, including in an international environment;	☐
SzD_U8	independently plan and act for one's own development and inspire and organize the development of others;	☐
SzD_U9	plan classes or groups of classes and implement them using modern methods and tools.	☒
	SOCIAL COMPETENCES. Doctoral student is ready to:	
SzD_K3	fulfilling the social obligations of researchers and creators, initiate public interest activities, thinking and acting in an entrepreneurial way;	☐
SzD_K4	maintaining and developing the ethos of research and creative environments, including: - carrying out scientific activities in an independent manner, - respecting the principle of public ownership of research results, taking into account the principles of intellectual property protection.	☐

6. Evaluation
Short description of the method(s) used to evaluate the learning outcomes assigned to the course, e.g., exam, test, report, presentation, etc.

exam

7. Teaching methods
Short description of the teaching methods used during the course, e.g., multimedia presentation, discussion, literature studies, developing written documents, own work, etc.

interactive lecture with multimedia presentation, discussion, exercises, case study, role playing, own work

8. Literature
List of primary and secondary literature used to prepare the course and including additional knowledge for participants, e.g., books, textbooks, research papers, standards, web pages, etc.

PRIMARY LITERATURE:

[1] Arnett J. J. (2015). *Emerging Adulthood: The Winding Road from the Late Teens Through the Twenties stosunków międzyludzkich*, Oxford University Press.
[2] Cialdini R. (2001). *Influence. Science and Practice*, Allyn and Bacon.
[3] Knowles M. S., Holton E. F., Swanson R. A., Robinson P. A. (2020), *The Adult Learner. The Definitive Classic in Adult Education and Human Resource Development*, Routledge Taylor&Francis Group.
[4] Kozimor-King, M. L., Chin, J. (2018). *Learning from each other: Refining the practice of teaching in higher education*, University of California Press.
[5] Kwiek M. (2018). *Changing European Academics. A Comparative Study of Social Stratification, Work Patterns and Research Productivity,* Routledge Taylor&Francis Group.
[6] Petty, G. (2009). *Teaching Today. A Practical Guide,* Nelson Thornes.

LEGAL ACTS:

[1] Act of 4 February 1994 on Copyright and Related Rights.
[2] Act of 30 June 2000 Industrial Property Law.
[3] Act of 20 July 2018 Law on Higher Education and Science.

SECONDARY LITERATURE:

[1] Arkoful V., Abaidoo N. (2015). The role of e-learning, advantages and disadvantages of its adoption in higher education. *International Journal of Instructional Technology and Distance Learning*, 12(1), 29–42.
[2] Campbell, A., Norton, L. (Eds.) (2007). *Learning, Teaching and Assessing in Higher Education. Developing Reflective Practice*, Learning Matters.
[3] Luka I. (2014), *Design Thinking in Pedagogy*, Journal of Education Culture and Society, No 2, pp. 63-74.
[4] Veiga Simão A. M., Flores M. A., Fernandes S., Figueira C. (2008). *Tutoring in Higher Education: Concepts and Practices.* Sísifo. Educational Sciences Journal, 07, pp. 73-86.

9. Other remarks
Additional remarks, comments, (e.g., language of the course)