

COURSE DESCRIPTION CARD

Course name	Modern methods and techniques in academic teaching				
Course type	optional	Course code	----	ECTS credits	2
Forms and number of hours	lectures: 10 h classes: 10 h	Scientific discipline	all		
Course objectives	To introduce students to modern methods and information techniques used in academic teaching. Upon completion of this module, students should be able to characterize, choose and implement the appropriate teaching methods and techniques for given learning outcomes.				
Course content	<p>Lectures</p> <ol style="list-style-type: none">1. Introduction to modern methods and information techniques in academic teaching2. Constructing teaching environment and processes3. Technology of audio-visual recordings. Review of technologies aiding campus-based and distant learning including streaming techniques4. Teaching methods and techniques used in lectures; voice projection5. Teaching methods and techniques used for interactive teaching and classes involving simulators (example classes, laboratories, seminars, projects)6. Assessment principles, methods, and techniques7. Teaching enhancement using multimedia techniques8. E-Learning and massive open online courses (MOOC)9. Electronic voting systems in teaching10. Principles of selecting tools and techniques aiding teaching in academia. Evaluation of the teaching process. <p>Example classes</p> <ol style="list-style-type: none">1. Making an audio-visual recording of a lecture2. Delivering a synchronous distant teaching activity3. Application of an e-learning platform to peer assessment				
Teaching methods	Lectures including demonstrations of modern teaching techniques; Example classes: making a lecture recording, delivering a synchronous distant teaching activity, undertaking peer assessment				
Assessment method	Lectures: Exam (multiple-choice test); Example classes: assessment of a lecture recording and assessment of a distant teaching activity				

Symbol of learning outcome	Learning outcomes	Reference to the learning outcomes for the field of study for the 8 th level of Polish Qualification Framework (PRK)	Methods of assessing the learning outcomes
SD_W1	Knows and understands the theory, general aspects as well as selected topics, at a level enabling the revision of the existing paradigms, related to the modern methods and techniques in academic teaching.	P8S_WG	Exam
SD_W2	Knows and understands main development trends related to the modern methods and techniques in academic teaching.	P8S_WG	Exam
SD_U10	Is able to design teaching activities and undertake them using modern methods and techniques.	P8S_UU	Assessment of the recorded lectures and assessment of distant teaching activities

Student workload (in hours)	
Lecture / classes / project / laboratory / seminar	10 / 10
Consultations (Tutorials)	1
The unassisted student work	10
Implementation of project tasks and preparation for and participation in exams/tests	10
Exam	1
Total	42
ECTS credits	2

Basic references	<ol style="list-style-type: none"> 1. T. Whitaker, A Handbook for Teaching, Learning and Assessment in Independent Higher Education Institutions in Ireland, 2017. 2. J.P. Davies and N. Pachler, Teaching and Learning in Higher Education: Perspective from UCL, 2018. 3. Proceedings of the IEEE International Conference on Advanced Learning Technologies (ICALT), 2010-2020.
Supplementary references	<ol style="list-style-type: none"> 1. H. Fry, S. Ketterbridge, S. Marshall, A Handbook for Teaching and Learning in Higher Education. Taylor & Francis, 2015. 2. J. Biggs and C. Tang, Teaching for Quality Learning at University. The Society for Research into Higher Education, 2007 3. Ramsden, Learning to Teach in Higher Education. London, 2003. 4. Adult Learning (academic journal), 2010-2021.
Author of the programme	dr hab. inż. Sławomir Zieliński
Date of issuing the programme	25.03.2021