Jan Amos Komeński
STATE UNIVERSITY
OF APPLIED SCIENCES
in Leszno

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Course syllabus for Erasmus+ incoming students

Course Title	
Future of Nursing Technology, Human Factors and New Models of Care	
Academic Teacher	Adam M. Adamek, DrSc, MPH
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ECTS credits	5
Number of hours	120 h total | 30 contact + 90 self-study
Course code	INT-IZKFP-FN-26
Course description	
First-cycle level; teaching language English B2. The course explores the future of nursing through everyday situations: handover, documentation, home care, remote monitoring and conversations with people who have limited digital confidence. Students examine AI, automation and robotics and redesign a selected care pathway. Patient needs, trust and team workflow guide the work. Prerequisites: Basic understanding of healthcare delivery; English B2.	
Learning outcomes and course content	
LO1 Explains major technological, demographic and organisational drivers of change in care work. LO2 Distinguishes AI, telecare, sensors, automation and assistive robotics and describes their limits. LO3 Appraises benefits, risks, evidence quality and the need for human oversight in a selected technology. LO4 Analyses a patient journey and team cognitive load using introductory human-factors principles. LO5 Designs a process improvement with a small pilot plan and measures. LO6 Conducts a simulated nurse-patient conversation, checks understanding, agrees a next step and justifies recommendations in English. Course content: The future care landscape; Digital care and the connected patient;	

AI in information work; Robotics and workflow automation; Human factors and safety; Nurse-patient partnership and agreement; Data, ethics and accountability; Why implementation fails; Care-pathway design sprint; Future of Nursing Challenge.
Student workload and self-study description
Contact teaching 30 h; Reading and evidence review 20 h; Case preparation 15 h; Individual technology brief 20 h; Team project 25 h; Assessment preparation and reflection 10 h. Assessment: Team challenge 35%; Individual evidence and technology brief 25%; Patient-journey analysis and individual nurse-patient conversation 20%; Short quizzes 10%; Individual reflection 10%.
Literature
National Academies The Future of Nursing 2020 to 2030 2021 https://doi.org/10.17226/25982 WHO Ethics and governance of artificial intelligence for health 2021 https://www.who.int/publications/i/item/9789240029200 Topol E Deep Medicine 2019 https://www.basicbooks.com/titles/eric-topol/deep-medicine/9781541644632/