Jan Amos Komeński STATE UNIVERSITY OF APPLIED SCIENCES in Leszno

Funded by the European Union

Course syllabus for ERASMUS+ incoming students

Course Title	
Selected Aspects of Machine and Mechanical Device Construction	
Academic Teacher	Grzegorz Feliczak, PhD in Engineering
E-mail	grzegorz.feliczak@ansleszno.pl
ECTS credits	5
Number of hours	120
Course code	INT-IPMBM-MMDC-26
Course description	
Course on design, construction and diagnostics of machine elements and mechanical systems. Assessment: attendance, project/presentation, final oral or written assessment.	
Learning outcomes - course content	
• Machine design principles • Engineering materials • Machine elements • Power transmission • CAD basics • Manufacturing • Diagnostics • Failures • Technical documentation • Project presentation	
Student workload (self-study description)	
Student workload (100 h self-study) Individual project (30 h); presentation (15 h); case study (15 h); self-study of literature/materials (20 h); participation in additional classes (10 h); exam preparation (10 h).	
Literature	
1. Budynas & Nisbett, Shigley's Mechanical Engineering Design. 2. Juvinall & Marshek, Fundamentals of Machine Component Design. 2. Dieter & Schmidt, Engineering Design.	