



Państwowa Akademia  
Nauk Stosowanych  
w Krośnie

# Course catalogue for Erasmus students

## Mechanical Engineering

Academic year 2024/2025

### Winter semester 2024/2025

Course name in English (in Polish)	Year of study, semester of study in the cycle	Number of hours, form of classes	ECTS	Form of credit	Language of the course
<b>Foreign language</b> (Język obcy)	s. 3	30 lab exercises	2	credit	ENG
<b>Physics</b> (Fizyka)	s. 1	15 lecture 15 exercises 15 lab exercises	4	credit exam	PL/ENG
<b>Fluid mechanics</b> (Mechnika płynów)	s. 3	15 lecture 10 exercises 15 lab exercises	3	credit	PL/ENG
<b>Electrical and electronics</b> (Elektronika i elektrotechnika)	s. 3	30 lecture 15 exercises 15 lab exercises	4	credit exam	PL/ENG
<b>Basic of computer design</b>	s. 3	45 practical exercises	2	credit	ENG
<b>Finite element method</b> (Metoda elementów skończonych)	s. 5	15 lecture 30 lab exercises	3	credit	PL/ENG
<b>Theory of machines and mechanisms</b> (Teoria maszyn i mechanizmów)	s. 5	15 lecture 30 exercises	4	credit exam	PL/ENG
<b>Drive and Control</b> (Napędy i sterowanie)	s. 5	30 lecture 15 exercises 15 lab exercises	4	credit exam	PL/ENG
<b>Environmental management</b> (Zarządzanie środowiskiem)	s. 5	5 lecture 10 exercises	1	credit	PL/ENG

### Spring semester 2024/2025

Course name in English (in Polish)	Year of study, semester of study in the cycle	Number of hours, form of classes	ECTS	Form of credit	Language of the subject
<b>Foreign language</b> (Język obcy)	s.4	30 lab exercises	2	credit exam	PL/ENG
<b>Metrology and measuring systems</b> (Metrologia i systemy pomiarowe)	s.2	15 lecture 15 exercises 30 lab exercises	4	credit exam	PL/ENG
<b>Automatic and robotic</b> (Automatyka i robotyka)	s.4	30 lecture 15 exercises 15 lab exercises	4	credit exam	PL/ENG
<b>Thermodynamics</b> (Termodynamika techniczna)	s.4	30 lecture 15 exercises 10 lab exercises	4	credit exam	PL/ENG
<b>Sound Engineering</b> (Inżynieria dźwięku)	s.6	15 lecture 15 exercises	2	credit	PL/ENG

## Optional courses

Courses are implemented in the winter semester and summer semester, provided a minimum of 5 students participate.

Course name in English (in Polish)	Year of study, semester of study in the cycle	Number of hours, form of classes	ECTS	Form of credit	Language of the subject
<b>Polish for Foreigners</b>	For Erasmus students only	15 class	2	credit	ENG
<b>Introduction to Poland</b>	For Erasmus students only	15 class	2	credit	ENG
<b>Lean management</b>	For Erasmus students only	15 class	2	credit	ENG
<b>Work improvements with AI solutions</b>	For Erasmus students only	15 class	2	credit	ENG

## Supplementary courses

Students pursuing a degree in Mechanical Engineering can also choose courses from the catalog of the Automatics and Robotics major.