

# Warsaw University of Technology | Doctoral School No. 4

Course offered in the Doctoral School No. 4  
– Spring semester of the 2021/2022 academic year

TITLE		
Advanced Prospective Power Technologies		
CONDUCTING UNIT		
Doctoral School No. 4		
SCIENTIFIC DISCIPLINE		
Environmental engineering, mining and energy		
IMPLEMENTING UNIT		
113000 - Faculty of Power and Aeronautical Engineering		
FULL DESCRIPTION		
Advanced power engineering system for central and distributed generation and supply of energy. Ultra supercritical parameters for steam systems gas-steam sets, coal gasification, fluidized bed combustion, fuel cells, hybrid systems and others.		
LITERATURE		
Advanced methods in Solid Oxide Fuel Cell modeling		
LEARNING OUTCOMES		
Basic knowledge about possible ways of future development of power engineering		
ASSESSMENT METHODS AND CITERIA; COURSE COMPLETION FORM		
Final project		
LANGUAGE OF THE COURSE		ECTS CREDITS
English		2
TYPE OF CLASSES	NUMBER OF HOURS	COURSE INSTRUCTOR
Project classes	30	Jarosław Milewski, prof. dr hab. inż.