

<b>COURSE TITLE:</b>	<b>THERMODYNAMICS</b>
Institute/Division:	Institute of Process and Power Engineering / Faculty of Mechanical Engineering
Erasmus subject code:	06.1
Number of contact hours:	60
Course duration:	1 semester
ETCS credits:	5
Course description:	State of equilibrium; processes and cycles; forms of energy; properties of pure substances; energy transfer by heat, work and mass; the first law of thermodynamics, the second law of thermodynamics, entropy, power and refrigeration cycles
Literature:	Y.A. Cengel, R.H. Turner, Fundamentals of Thermal-Fluid Sciences, McGraw-Hill Int. Ed. M.C.Potter, C.W.Somerton, Schaum's Outline of Theory and Problems of Thermodynamics for Engineers, McGraw-Hill Inc.
Course type:	Lectures, classes
Assessment method:	Exam
Prerequisites:	
Primary target group:	1st year postgraduate Mechanical Engineering students
Lecturer:	Piotr Duda, PhD, DSc.
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Deadline for application:	May 31