COURSE TITLE: HEAT AND POWER PLANTS

Institute/Division: Institute of Process and Power Engineering / Faculty of Mechanical Engineering

Erasmus subject code: 06.1

Number of contact hours: 30

Course duration: 1 semester

ETCS credits: 5

Course description: Steam power plants, Rankine cycle analysis, gas turbines, internal combustion engines, hydraulic turbines, Stirling engines advanced fossil fuel power systems, energy storage, nuclear power, nuclear fusion, solar thermal energy conversion, wind energy conversion,


Course type: Lectures, classes

Assessment method: Exam

Prerequisites: Mathematics, Thermodynamics, Heat Transfer

Primary target group: 2nd year postgraduate Mechanical Engineering students

Lecturer: Jan Taler, PhD, DSc, Prof.

Contact person: Jan Taler, PhD, DSc, Prof, phone #: +48 126283560 e-mail: taler@mech.pk.edu.pl

Deadline for application: May 31