

THE FACULTY OF MECHANICAL ENGINEERING

COMPETENCES OF UPT GRADUATE IN:

Fundamental domain: Engineering Sciences

Master's degree study programme:

„ HYDRODINAMIC MACHINES AND HYDRO-MECHANICAL SYSTEMS”

(Master's study field: Mechanical engineering)

Nr. crt.	Competences
C1	Hydrodynamics and numerical methods, measuring, monitoring and analysis of the flow in hydrodynamic systems
C2	Processing of materials used in the manufacture of hydro-mechanical machines and systems
C3	Fundamentals of calculus of machines and systems for the operation and transport of fluids.
C4	Operation, manufacture and design of turbomachines and hydro-mechanical equipment.
C5	Optimized operation of hydraulic machines and systems from the energy and cavitation point of view.