



**“POLITEHNICA” UNIVERSITY OF TIMISOARA, ROMANIA**  
**COMPETENCES OF UPT GRADUATE IN:**  
**Fundamental domain: Engineering Sciences**

**Master’s degree study programme:**

**„HYDRODINAMIC MACHINES AND HYDRO-MECHANICAL SYSTEMS”**

**(Bachelor degree: Mechanical engineering)**

<b>Crt. No.</b>	<b>Competences</b>
1.	Hydrodynamics and simulation methods, measurement, monitoring and analysis of hydrodynamic flow in systems.
2.	Processing of materials used in the hydromechanical machines and systems.
3.	Calculation bases for machines and drive systems and fluid transport.
4.	Turbomachines and hydromechanical equipment, working, construction and design.
5.	Optimum energetic and cavitation exploitation to hydraulic machines and systems.