

FACULTY OF MECHANICS

DEPARTMENT OF MATHEMATICS

**COMPETENCES OF UPT GRADUATE IN:**

**Fundamental domain: Engineering Sciences**

**Master's degree study programme:**

**STATISTICAL METHODS AND TECHNIQUES IN HEALTH CARE AND CLINICAL RESEARCH**

**(Master's study field: Applied engineering sciences )**

Nr. crt.	Competences
C1	Analysing the informational requirements for bio-medical data collection and processing
C2	Documenting, both statistically and informationally, the proposed solutions for data processing in healthcare, clinical trials, pharmaceutical industry, and/or biotechnology, by integrating the knowledge and methods from statistics, applied mathematics, informatics, databases, and bio-medical sciences
C3	Implementing clinical trials based on large sets of bio-medical data and applying the adequate data processing techniques
C4	Solving real life problems by multidisciplinary team work and integration.
C5	Ability to be an independent, life-long learner, to continuously acquire new knowledge and competence in solving the practical challenges.