**Engineering Physics 2 (ECTS credits 6)**

Language: the course is offered in English, Serbian and Hungarian.

Contact person: Dr. Lívia Szedmina (slivia@vts.su.ac.rs)

**Course description:**

Students will learn the basics of classical physics. Including the following: basics of translatory and rotational kinematics. Basics of translatory and rotational dynamics. Conservation of energy, impulse and momentum. Basic theory of fluids. Thermodynamical method, first and second law. Carnot cycle. Oscillations and waves. Many practical problems related to engineering applications will be solved during the course.

**Aims:**

Student will learn through practical examples the possibilities and limitations dictated by physical laws in engineering applications.

Students will get acquainted with the physical method, and will broaden his/her capabilities to grasp engineering problems efficiently.