

<i>Name of the subject:</i> <b>Selected Parts of Thermo- and Fluid-dynamics</b>	<i>NEPTUN-code:</i> BGRHA1ENNM	Credits: 2 ECTS: 3
<i>Subject leader:</i> dr. E. Ruzinkó	<i>Title:</i> assoc. prof.	
<i>Course description:</i>		
Entropy as a measure of the internal disorder of thermodynamic system. The spatial distribution of gas-particles: the Maxwell impulse distribution, Boltzmann' constant. The Maxwell velocity- and energy-distribution. Gas particles flux: the Richardson formula, Stern's experiment. Gas-particles distribution within potential fields: the Boltzmann distribution. The Maxwell-Boltzmann distribution: $\mu$ -phase space. The Gibbs distribution: $\Gamma$ -phase space, free energy for ideal and real gases. The Gibbs-Helmholtz equation.		