

Name: Basics of Evidence Based-Medicine		NEPTUN-code: <i>NBXEB1PMNE</i>	Number of periods/week: full-time: 1 lec + 0 sem + 2 lab
Credit: 4 Requirement: exam		Prerequisite: <i>NBXRI1EMNE</i> System- and Control Theory	
Responsible: Tamás FERENCI, Ph.D.	Position: senior lecturer	Faculty and Institute name: John von Neumann Faculty of Informatics Institute of Biomatics	
Way of assessment: – written exam			
Competences			
Course description:			
Evidence based medicine (EBM) is a highly influential concept of modern medicine and healthcare. The core idea of EBM is to base clinical decision making – both in diagnostics and therapy – to the best available so-called evidences (in best case, on the results of several carefully designed, large-sample randomized clinical trials). This involves the questions of aggregating such results (with mathematical tools), calculation of costs and benefits based on this, which will enable the guidance – or at least support of – the clinical decision making. The aim of the course is to provide insight into evidence based medicine, and those fields that are necessary in the practice of EBM. In particular, the course will have special emphasis on epidemiology.			
Literature			
Reiczigel-Harnos-Solymosi: Biostatistics do not Statisticians, Pars, 2013 (in Hungarian) Frank Harrell: Regression Modelling Strategies. Springer, 2015			