Name of the subject:	NEPTUN code:	Weekly hours:	Credit: 4
Eco-engineering	KEWOKBABNE	$2 \operatorname{lec} + 1 \operatorname{pr} + 0 \operatorname{lab}$	Req: Examination
<i>Subject leader:</i> Dr. Ákos Nemcsics	professor	Prerequisites: - -	
	Description of t	he subject:	
developedThe subject is environmental frendly or with the following techno wind energy, water energ architecture (passive and building, smart settlemen applications and combine the discussion of the abo engineering, bionics, the dynamics etc. For the illu	material saving or ene logical areas: renewal gy, bio mass usage, g d active solar systems its, PV house, green r ed solar systems with ovementioned topics, w rmodinamics, exergy a istration we show som	ergy efficient. The sul ble energy sources (s eothermal energy etc , energy ballance, ea roof, green facade etc collector (e.g. induce we will use the results analysis, self-assemb ne case studies from y	bject is connecting such as solar energy, c.), ecological arth houses, smart c.), solar cell ed ventillation). During s of following topics: oling, non-linear
1. H. Haken: Synergetic	Literati	are	
 Luther W. Skelton: Th (1984). 		economy; Van Nostrand I	Reinhold; New York
3. J. Crowley, L. Z. Zimm		-	Iill, New York, (1983).
4. K. Falconer: Fractal ge			