

Course: ENVIRONMENTAL PHYSICS	Course type: Lecture	Credits:	Course ID: KTAK 113a
Course responsible Dr. Kun István	Programme type: full time	Hours/Semester 8	Assessment: End-semester exam
Course objectives: Acquiring basic knowledge of environment related problems of physics.			
Competencies to be improved: minimum 3 kategóriához, összesen minimum 5 db kompetencia kell Knowledge: T1, T8 Ability: K5, K6 Attitude: A2 Autonomy and responsibility: F1			
Compulsory literature: M. Dželalija: Environmental Physics. University of Split, Split, 2004. http://djelatnici.unizd.hr/~mdzela/nastava/EnvironmentalPhysics.pdf			
Recommended literature: Á. Horváth (ed.) : Environmental physics methods, laboratory practices. Eötvös Loránd University, Budapest, 2002. http://atomfizika.elte.hu/kornyfizlab/docs/Environmental_physics.pdf			
Course content: Methods of scientific reasoning Efficiency of energy conversion Efficiency of heat engines Thermal power plants Heat pumps Methods of scientific reasoning The energy cycle of the atmosphere Solar and terrestrial radiation Energy transfer in the atmosphere Adiabatic cooling and warming Temperature inversion			
Course requirements: Attendance of classes, keeping up with lectures			
Grading scale: >80 %: excellent, 79-70 %: good, 69-60 %: satisfactory , 59-50 % pass			
Course Programme: WJLF ENVIRONMENTAL SCIENCE	Semester: 2019_2020_1	Lecturer: Dr. István Kun lecturer	