	Course type:	Credits:	Course ID:
BASIC PHYSICS	Lecture+Seminar		KTAK106
Course responsible:	<b>Programme type:</b> full time	Hours/Semester 16	Assessment: End-semester exam
Course objectives:			
Acquiring basic knowled environment, as well as ac	ge of laws, principles and pheno ljacent computations.	omena necessary to understa	and processes in the
Competencies to be improved:			
Knowledge: T1, T2, T7, 7 Ability: K2, K3 Attitude: A4			
Autonomy and responsibi	lity: F1		
Compulsory literature:	way Chris Vuilla Jarry S. Es	wahn College Dhysics C	angaga Laarning
	way, Chris Vuille, Jerry S. Fa rce Center, Belmont, 2009.	lughin: Conege Physics. C	engage Learning
	n.ac.ir/~tavallaii/Meghdadi_A	/bahar/Ph1/College%20P	hysics.pdf
Recommended literature			
1	ti: Physics for Beginners.		
http://www.thop	atura of things info / husiog for	haginnang DDf(agnu)	Af
<u>http://www.then</u> Course conte1nt:	atureofthings.info/physics_for	<pre>c_beginnersPDf(copy).p</pre>	<u>odf</u>
Course conte1nt: Kinematic and dynamic of Circular movement, rotat Physics of fluids and ga air resistance. Basic concepts and phe alternating current. Imp Magnetic phenomena. M Thermodynamics: tempe work, internal energy, en Particle physics: structure	description of movements. Ne ional movement, oscillating n ses. Pressure, surface tension momena of electrostatics. Co pedance. Electric polarizatio agnetic induction and field fo rature and heat. State equation tropy. Laws of thermodynami ure of the atom, Pauli prin on, Compton dispersion, radio	wton's laws. Work, energ novement, torque. . Pascal's law, Archimed oulomb force. Ohm's la on and induction. Tran rce. Electromagnetic wav n of gases. Thermodynam ics. cciple. Wave-particle du	gy, power. es' law. Fluid and w. Direct current, sient phenomena. e phenomena. ic cycles. Thermal
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Course contelnt: Kinematic and dynamic of Circular movement, rotat Physics of fluids and ga air resistance. Basic concepts and phe alternating current. Imp Magnetic phenomena. M Thermodynamics: tempe work, internal energy, en Particle physics: structu equation, thermal radiation Course requirements: Attendance of classses, ke	description of movements. Ne ional movement, oscillating n ses. Pressure, surface tension momena of electrostatics. Co pedance. Electric polarizatio agnetic induction and field fo rature and heat. State equation tropy. Laws of thermodynami ure of the atom, Pauli prin on, Compton dispersion, radio	wton's laws. Work, energ novement, torque. . Pascal's law, Archimed oulomb force. Ohm's la on and induction. Tran rce. Electromagnetic wav n of gases. Thermodynam ics. hciple. Wave-particle du bactive decay.	gy, power. es' law. Fluid and w. Direct current, sient phenomena. e phenomena. ic cycles. Thermal