Classification	GIST College	Course No.	PS2101	Hrs:E:Credits	3/1/3	Instructor	Chanyong Park	Lecture Language	English
Course Title	Korea 고전역학 및 연습 l								
	English Classical Mechanics and Recitation I								
Course Outline	This is the first half of the one-year standard course on undergraduate classical mechanics for students who have taken General Physics I,II. Major topics to be discussed are: Vectors, Newton's laws of motion, conservative force and potential energy, simple harmonic motion, Lagrangian mechanics, two-body problem, gravitation and mechanics in non-inertial frames.								
Prerequisite	OR GS1102 (일반물리학 및 연습 II), OR GS1104 (고급일반물리학 및 연습 II)								
Textbook & References	"Classical Dynamics of particles and systems", Thornton Marion								
Etcetera									
. Weekly Course Schedule									
Week	Description							Remarks	
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	Review of Nev	wtonican Me	chanics						
	Review of New Vector algebra		chanics		-				
1st		a							
1st 2nd	Vector algebra	a f Newtonian i	mechanics	5					
1st 2nd 3rd	Vector algebra Application of	a f Newtonian nd angular m	mechanics	5					
1st 2nd 3rd 4th 5th	Vector algebra Application of Momentum a	a f Newtonian nd angular m of energy	mechanics	5					
1st 2nd 3rd 4th 5th 6th	Vector algebra Application of Momentum a Conservation	a f Newtonian nd angular m of energy	mechanics	5					
1st 2nd 3rd 4th 5th 6th 7th	Vector algebra Application of Momentum a Conservation Potential ener	a f Newtonian nd angular m of energy gy	mechanics	5					
1st 2nd 3rd 4th 5th 6th 7th 8th	Vector algebra Application of Momentum a Conservation Potential ener Midterm	a f Newtonian ind angular mof energy gy illator	mechanics	5					
1st 2nd 3rd 4th 5th 6th 7th 8th 9th	Vector algebra Application of Momentum a Conservation Potential ener Midterm Harmonic osci	f Newtonian in an angular mof energy  Tgy  illator	mechanics	5					
1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th	Vector algebra Application of Momentum a Conservation Potential ener Midterm Harmonic osci	f Newtonian indicate and angular mofenergy  gy  illator lator echanics - I	mechanics	5					
1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th	Vector algebra Application of Momentum a Conservation Potential ener Midterm Harmonic osci Damped oscill Lagrangian m	f Newtonian of angular mof energy  Tgy  illator lator echanics - I	mechanics	5					
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1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th	Vector algebra Application of Momentum a Conservation Potential ener Midterm Harmonic oscil Lagrangian m Lagrangian m Two body pro Central force	f Newtonian of Angular mof energy  illator lator echanics - I echanics - II bblem and gravitation	mechanics nomentum on frames - I	5					

<sup>\*</sup>If there will be experiments, mark it in the "Remarks" section.