Classification	GIST College	Course No.	PS3107	Hrs:E:Credits	3/0/3	Instructor	Chanyong Park	Lecture Language	English			
Course	Korean	Korean 수리물리 I										
Title	English Mathematical Methods of Physics I											
Course Outline	이 과목은 다음과 같은 수리물리의 다양한 주제를 소개한다. 무한급수, 멱급수, 복소수, 선현대수학, 편미분, 중적분, 벡터해석학, 퓨리에 급수 및 변환. This course introduces various topics in the mathematical physics such as Infinite series, power series, complex numbers, linear algebra, partial differentiation, multiple integrals, vector analysis, Fourier series and transforms.											
Prerequisite												
Textbook & References	Mathematical Methods in the Physical Sciences, Mary L. Boas											
Etcetera												
Weekly Course Schedule												
Week	Description								*Remarks			
1st	INFINITE SERIES, POWER SERIES											
2nd	INFINITE SERIES, POWER SERIES											
3rd	COMPLEX NUMBERS											
4th					COMPLEX NUMBERS							
401	COMPLEX NU	IMBERS										
5th	COMPLEX NU LINEAR ALGE											
		BRA										
5th	LINEAR ALGE	BRA BRA	I									
5th 6th 7th 8th	LINEAR ALGE LINEAR ALGE PARTIAL DIFFI Mid-term exa	BRA BRA ERENTIATION m										
5th 6th 7th 8th	LINEAR ALGE LINEAR ALGE PARTIAL DIFF	BRA BRA ERENTIATION m										
5th 6th 7th 8th 9th 10th	LINEAR ALGE LINEAR ALGE PARTIAL DIFFI Mid-term exal PARTIAL DIFFI MULTIPLE INT	BRA BRA ERENTIATION m ERENTIATION										
5th 6th 7th 8th 9th 10th	LINEAR ALGE LINEAR ALGE PARTIAL DIFFI Mid-term exal PARTIAL DIFFI MULTIPLE INT	BRA BRA ERENTIATION M ERENTIATION EGRALS EGRALS										
5th 6th 7th 8th 9th 10th	LINEAR ALGE LINEAR ALGE PARTIAL DIFFI Mid-term exal PARTIAL DIFFI MULTIPLE INT MULTIPLE INT VECTOR ANA	BRA BRA ERENTIATION M ERENTIATION EGRALS EGRALS LYSIS										
5th 6th 7th 8th 9th 10th 11th 12th 13th	LINEAR ALGE LINEAR ALGE PARTIAL DIFFI Mid-term exal PARTIAL DIFFI MULTIPLE INT MULTIPLE INT VECTOR ANA VECTOR ANA	BRA BRA ERENTIATION M ERENTIATION EGRALS EGRALS LYSIS LYSIS	l									
5th 6th 7th 8th 9th 10th 11th	LINEAR ALGE LINEAR ALGE PARTIAL DIFFI Mid-term exa PARTIAL DIFFI MULTIPLE INT WECTOR ANA VECTOR ANA FOURIER SERI	BRA BRA ERENTIATION ERENTIATION EGRALS EGRALS LYSIS LYSIS ES AND TRAI	I NSFORMS									
5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th	LINEAR ALGE LINEAR ALGE PARTIAL DIFFI Mid-term exal PARTIAL DIFFI MULTIPLE INT MULTIPLE INT VECTOR ANA VECTOR ANA	BRA BRA ERENTIATION ERENTIATION EGRALS EGRALS LYSIS LYSIS ES AND TRAI	I NSFORMS									

^{*}If there will be experiments, mark it in the "Remarks" section.