

Classification	GIST College	Course No.	PS3107	Hrs:E:Credits	3/0/3	Instructor	Chanyong Park	Lecture Language	English
Course Title	Korean	수리물리 I							
	English	Mathematical Methods of Physics I							
Course Outline	<div>이 과목은 다음과 같은 수리물리의 다양한 주제를 소개한다. 무한급수, 멱급수, 복소수, 선현대수학, 편미분, 중적분, 벡터해석학, 푸리에 급수 및 변환.</div> <div>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.</div>								
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								
5th	LINEAR ALGEBRA								
6th	LINEAR ALGEBRA								
7th	PARTIAL DIFFERENTIATION								
8th	Mid-term exam								
9th	PARTIAL DIFFERENTIATION								
10th	MULTIPLE INTEGRALS								
11th	MULTIPLE INTEGRALS								
12th	VECTOR ANALYSIS								
13th	VECTOR ANALYSIS								
14th	FOURIER SERIES AND TRANSFORMS								
15th	FOURIER SERIES AND TRANSFORMS								
16th	Final exam								

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