

교과목번호	033.014	강좌번호	013	교과목명	공학수학 1	학점	3
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담당교수	성명 : Yutaek Seo (직 : Associate Profressor)	Homepage :
	E-mail : yutaek.seo@snu.ac.kr	전화번호 : 02-880-7329
	면담시간/장소 : Meeting by email confirmation/36-407	

수업목표	Engineering mathematics is fundamental of almost every engineering Disciplines, thus its application is very helpful to understand physical phenomena. In this course, fundamental principles and their application will be studied.
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교재 및 참고문헌	Erwin Kreyszig, Advanced Engineering Mathematics, 10 th Ed., Jonh Wiley & Sons, 2011.
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평가방법	출석	과제	중간	기말	퀴즈	기타	합계
	10%	15%	30%	35%	10%	0%	100%
	비고						

수강생 참고사항	Bring summarized materials posted in ETL
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부정행위자 에 대한 처리	Cheating will get lowest score for the homeworks and exams.
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	주(기간)	강의내용
강의 계획	1주	Introduction, Linear Algebra I (Ch. 7)
	2주	Linear Algebra I (Ch. 7)
	3주	Linear Algebra II (Ch. 8)
	4주	Linear Algebra II (Ch. 8)
	5주	First-Order ODEs (Ch. 1)
	6주	Second-Order ODEs (Ch. 2)
	7주	Second-Order ODEs (Ch. 2)
	8주	Higher Order ODEs (Ch. 3), 중간 시험
	9주	Systems of ODEs (Ch. 4)
	10주	Systems of ODEs (Ch. 4)
	11주	Series Solutions of ODEs (Ch. 5)
	12주	Series Solutions of ODEs (Ch. 5)
	13주	Series Solutions of ODEs (Ch. 5) Laplace Transform (Ch. 6)
	14주	Laplace Transform (Ch. 6)
	15주	Laplace Transform (Ch. 6), 기말 시험