

강 의 계 획 서

소속	충북대학교 경영대학	학과	경영정보학과
성명	김 상 욱	연락처	
교과목명	시스템 시뮬레이션 (System Simulation)	강의학기	2015년도 1학기
교과목 설명	This course introduces you to system dynamics modeling for the analysis of socio-economic and business policy and strategy. Students will practice and learn to think in dynamic terms and over time. They will also learn a system perspective in which they can visualize a socio-economic entity in terms of the structures and policies that create its dynamic and performance over time. In more specific, The applications of systems thinking, integrated systems modeling, and system dynamics in the societal and business fields will be made, following the understanding of basic concepts of system archetypes and the nature of system dynamics.		
강의 공개 동의 확인	<input checked="" type="checkbox"/> KOCW(Korea Open CourseWare) 강의 공개		
주차별 강의 내용			
1주차	Course Introduction / <Topic-01> Overview of System Dynamics		
2주차	<Topic-02> Introduction to Systems Thinking		*Assignment(1)
3주차	<Topic-03> System Behavior and Its Underlying Structure		*Reading (1)
4주차	<Topic-04> VENSIM Tutorial		
5주차	<Topic-05> Modeling Approach with Systems Thinking		*Assignment(2)
6주차	<Topic-06> Causal Loop Diagramming(CLD) Technique		*Reading(2)
7주차	<Topic-07> Workshop on Systems Thinking with CLD		*Assignment(3)
8주차	< Seminar on Assignments >		*Reading(3)
9주차	<Topic-08> Simulation Practices with VENSIM		*Assignment(4)
10주차	<Topic-09> Archetype-1 Fixes and Addiction		*Reading(4)
11주차	<Topic-10> Archetype-2 Balancing and Drifting		*Assignment(5)
12주차	<Topic-11> Archetype-3 Limits and Overcome		*Reading (5)
13주차	<Topic-12> Archetype-4 Escalation and The Winner		*Assignment(6)
14주차	<Topic-13> Archetype-5 Accidental Adversary & Tragedy of Commons		
15주차	< Seminar on Assignments > / Final Exam		

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2015년 4월 30일

성명 김 상 욱 (인)

