강 의 계 획 서

교과목명	오토마타이론	교강사명	정재훈
수강대상대학	컴퓨터공학과		
수업시간	월[EE]15:00-16:15,수[EE]15:00-16:15		
강의실	[330110] 화학관 1층 첨단강의실		
개요/진행	This course delivers the basic principles of computational theories for other areas in computer sciences, such as compiler and programming languages. The main topics are automata, regular expression, context-free grammar, and turing machine.		

🔖 내용

9월	Introduction to Formal Language and Automata – Basic concepts of languages, automata, and grammars Deterministic Finite Automata Nondeterministic Finite Automata 1 Nondeterministic Finite Automata 2
10월	Regular Expressions Regular Grammars Properties of Regular Languages Midterm Exam (75 minutes)
11월	Context-Free Languages 1 Context-Free Languages 2 Simplification of Context-Free Grammars Pushdown Automata 1
12월	Pushdown Automata 2 Properties of Context-Free Languages Turing Machines Final Exam (75 minutes)

🔖 참고문헌

도서구분	도서명	저자	발행년도	출판사
교재	An Introduction to Formal Languages and Automata	Peter Linz	2011	Jones & Bartlett Learning